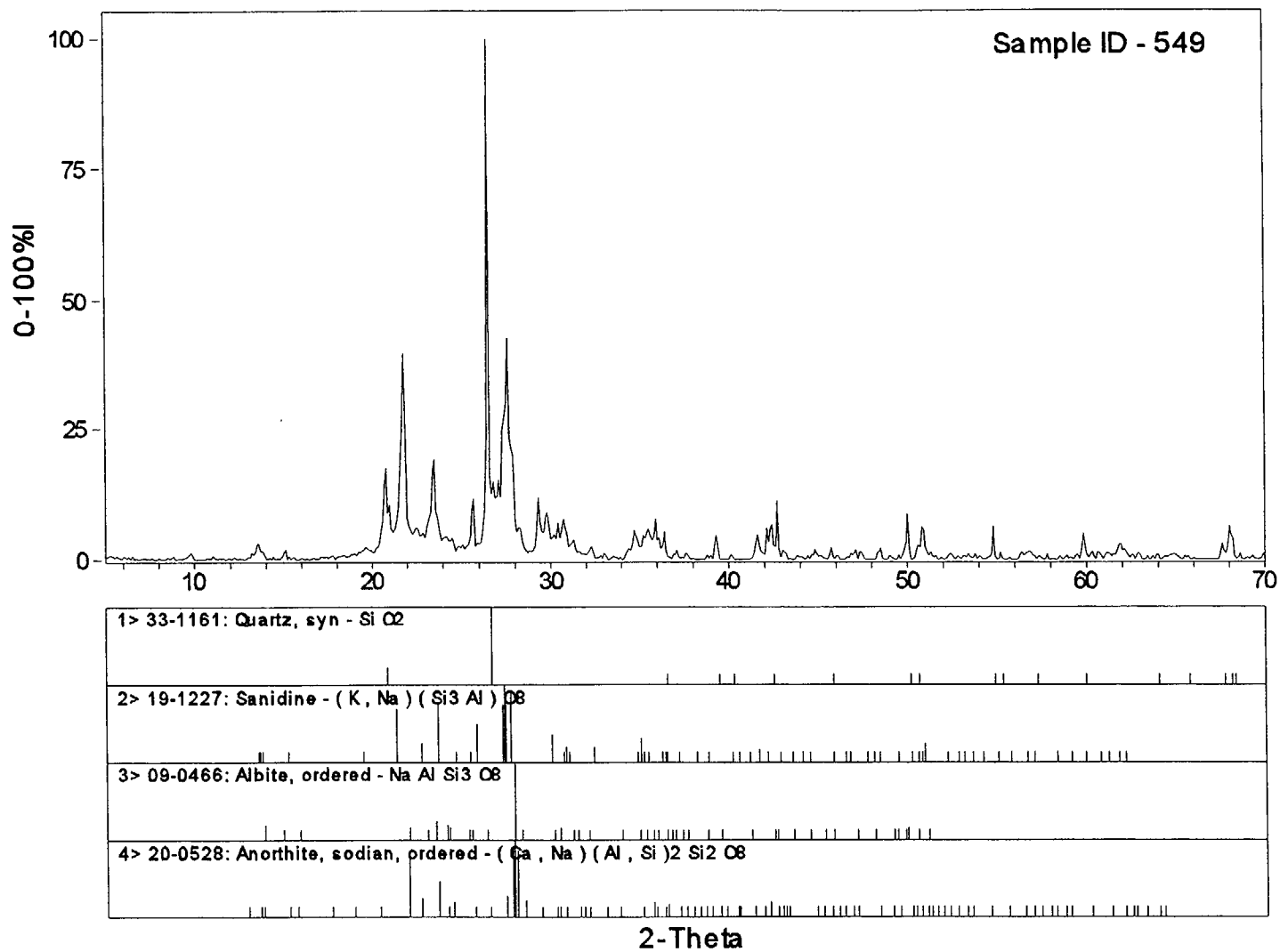


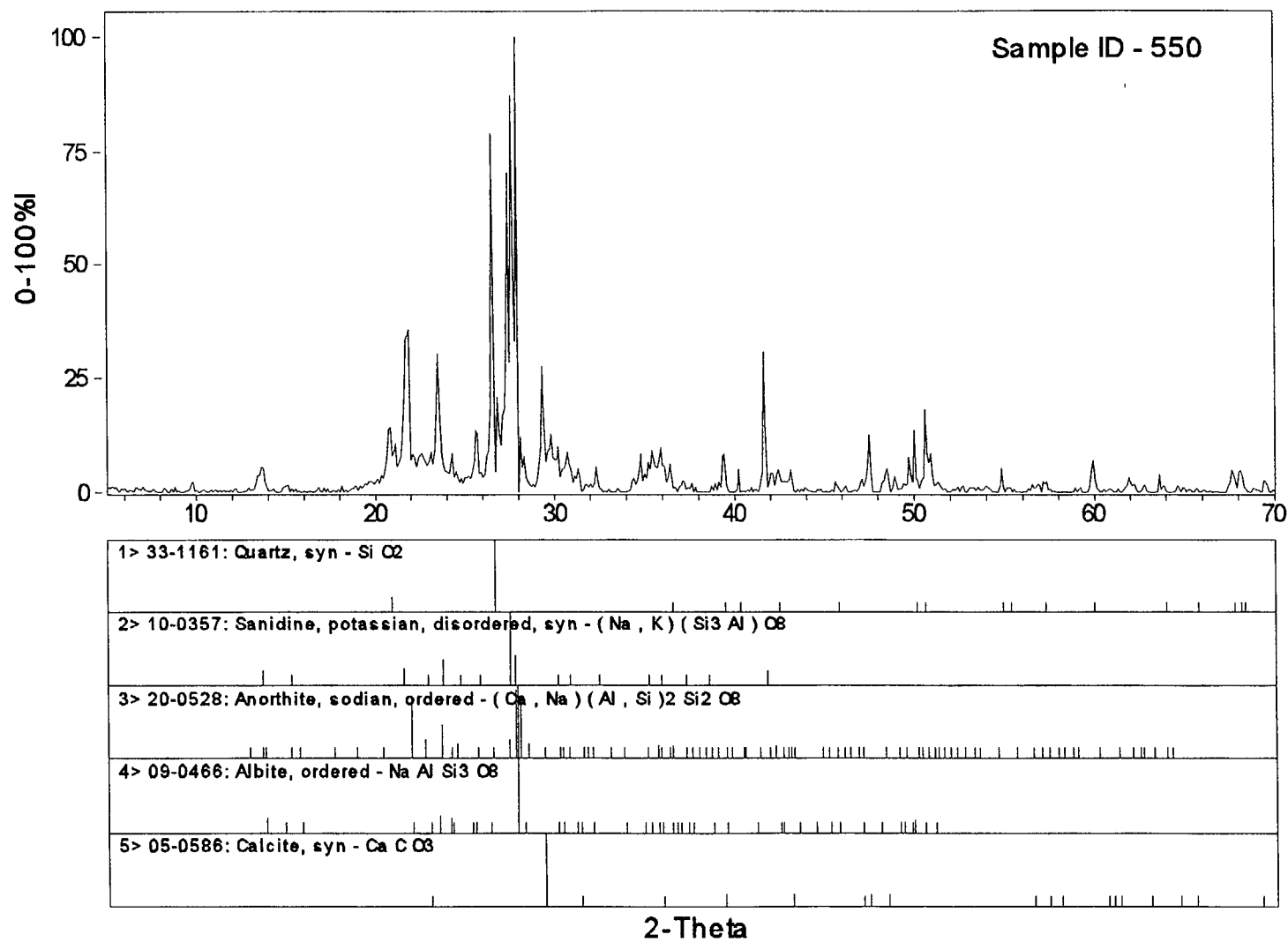
APPENDIX C
X-RAY DIFFRACTION PATTERNS AND PEAK ANALYSIS
REPORTS

C-1



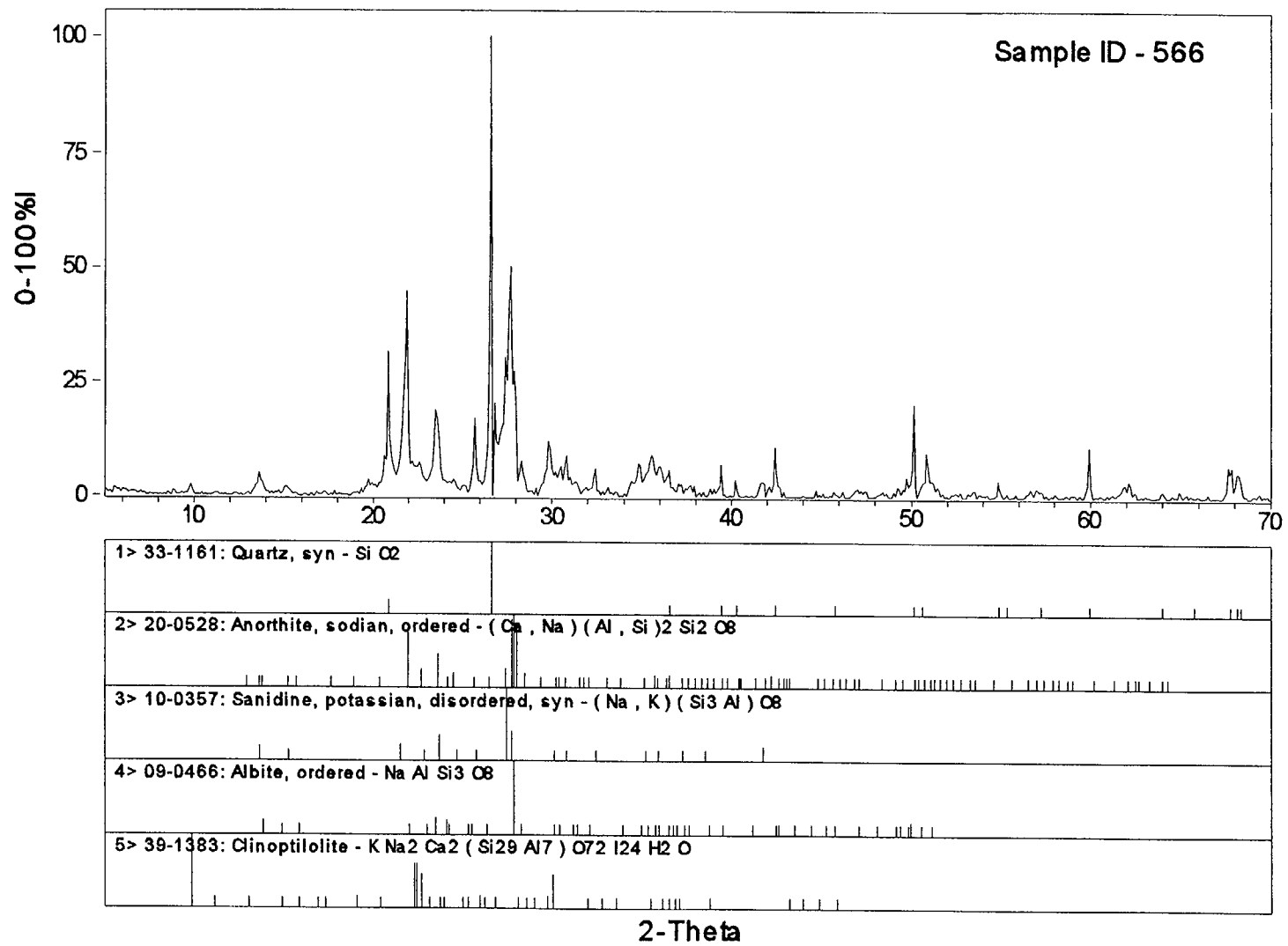
Peak Analysis
Sample ID - 549

Peak		Centroid		Bkgrnd counts	Peak counts	Intensity		Intensity	
Position 2Theta	d	Position 2Theta	d			%	Area	%	FWHM
11.024	8.0193	11.024	8.0193	6	20	0.6	3	0.5	0.135
13.59	6.5103	13.592	6.5093	6	100	3.1	39	6.3	0.351
15.06	5.8781	15.06	5.8781	6	58	1.8	10	1.6	0.155
20.785	4.2701	20.797	4.2677	100	482	14.9	162	26.3	0.302
21.781	4.0772	21.752	4.0825	126	1191	36.8	395	64	0.298
23.478	3.7861	23.462	3.7886	146	494	15.3	154	25	0.281
25.658	3.4691	25.658	3.4691	184	204	6.3	35	5.7	0.154
26.5	3.3608	26.5	3.3608	82	3234	100	522	84.6	0.145
27.587	3.2309	27.578	3.2318	106	1308	40.4	617	100	0.425
29.33	3.0427	29.362	3.0394	69	325	10	84	13.6	0.233
29.783	2.9974	29.744	3.0013	49	249	7.7	125	20.3	0.452
30.712	2.9088	30.71	2.909	38	223	6.9	87	14.1	0.351
32.272	2.7717	32.272	2.7717	31	54	1.7	12	1.9	0.2
34.731	2.5809	34.731	2.5809	15	172	5.3	81	13.1	0.424
35.494	2.5271	35.492	2.5273	14	182	5.6	146	23.7	0.722
35.896	2.4997	35.897	2.4997	15	246	7.6	81	13.1	0.296
36.361	2.4688	36.361	2.4688	28	148	4.6	28	4.5	0.17
37.643	2.3876	37.643	2.3876	9	32	1	6	1	0.169
39.307	2.2903	39.307	2.2903	26	130	4	24	3.9	0.166
41.6	2.1692	41.636	2.1674	5	154	4.8	50	8.1	0.292
42.374	2.1313	42.357	2.1322	10	214	6.6	69	11.2	0.29
42.698	2.1159	42.698	2.1159	11	363	11.2	50	8.1	0.124
44.811	2.0209	44.811	2.0209	18	48	1.5	8	1.3	0.15
47.384	1.917	47.384	1.917	24	21	0.6	5	0.8	0.214
48.463	1.8768	48.463	1.8768	8	65	2	11	1.8	0.152
49.976	1.8235	49.976	1.8235	12	277	8.6	48	7.8	0.156
50.818	1.7952	50.813	1.7954	7	199	6.2	74	12	0.335
56.783	1.62	56.778	1.6201	14	35	1.1	17	2.8	0.437
59.82	1.5448	59.82	1.5448	15	152	4.7	29	4.7	0.172
61.888	1.4981	61.904	1.4977	16	84	2.6	37	6	0.396
63.949	1.4547	63.949	1.4547	10	23	0.7	5	0.8	0.196
67.639	1.384	67.639	1.384	1	104	3.2	24	3.9	0.208
68.042	1.3768	68.039	1.3768	1	209	6.5	66	10.7	0.284



Peak Analysis
Sample ID - 550

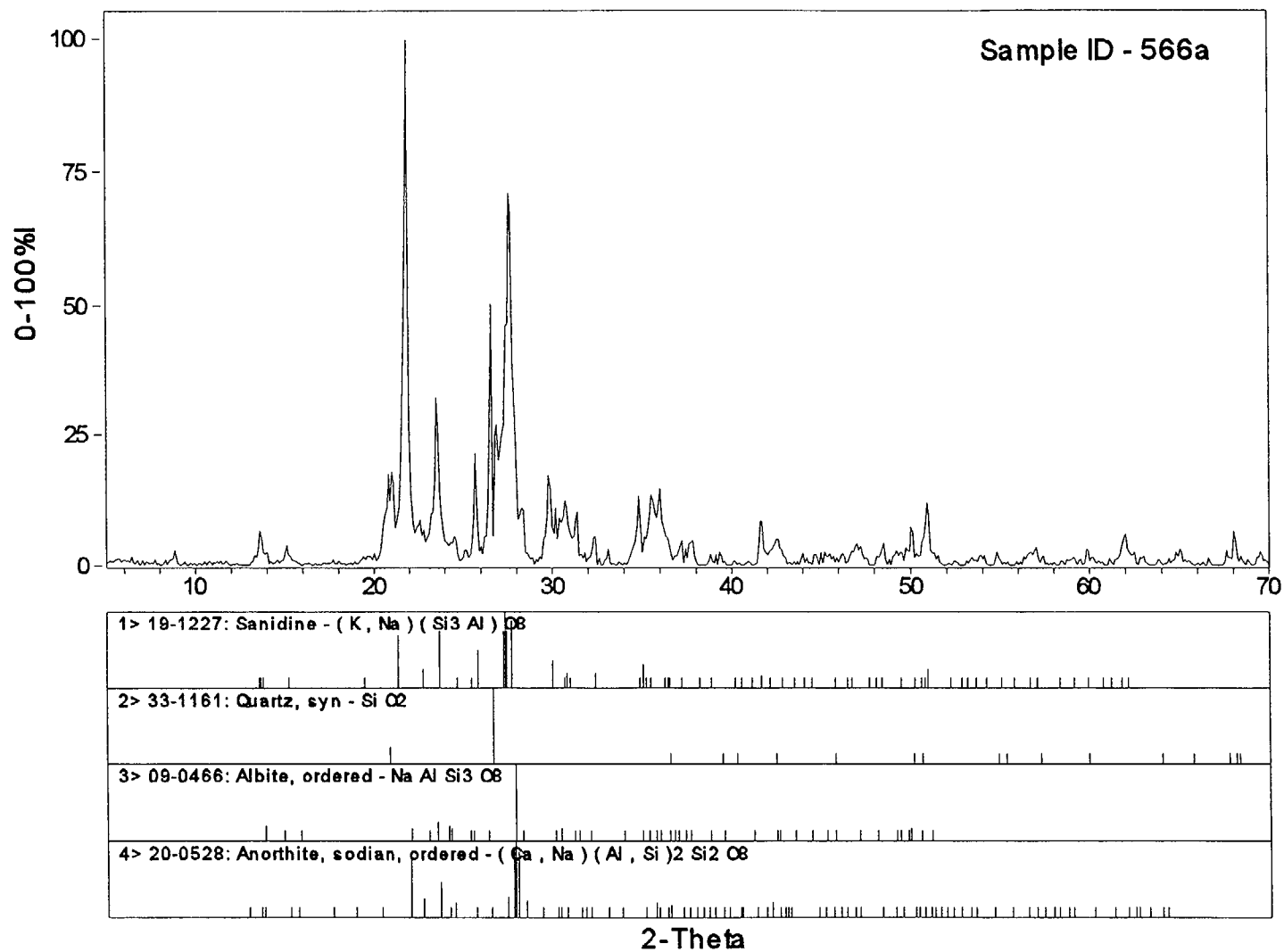
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Area	Intensity	
2Theta	d	2Theta	d					%	FWHM
7.011	12.5986	7.011	12.5986	9	21	1.6	3	0.8	0.129
9.761	9.0539	9.761	9.0539	4	50	3.9	9	2.3	0.162
13.594	6.5087	13.575	6.5177	1	120	9.4	59	14.9	0.442
20.78	4.2712	20.789	4.2694	93	219	17.1	73	18.5	0.3
21.878	4.0592	21.843	4.0657	78	708	55.4	395	100	0.502
22.59	3.9329	22.59	3.9329	142	48	3.8	14	3.5	0.262
23.502	3.7823	23.505	3.7819	110	556	43.5	132	33.4	0.214
24.275	3.6636	24.275	3.6636	96	94	7.4	13	3.3	0.124
25.618	3.4745	25.618	3.4745	77	223	17.5	53	13.4	0.214
26.531	3.357	26.531	3.357	454	1277	100	184	46.6	0.13
27.626	3.2264	27.626	3.2264	674	1240	97.1	167	42.3	0.121
30.699	2.9101	30.678	2.912	24	172	13.5	90	22.8	0.471
32.31	2.7685	32.31	2.7685	14	110	8.6	20	5.1	0.164
34.785	2.577	34.815	2.5748	7	182	14.3	56	14.2	0.277
35.406	2.5332	35.468	2.5289	10	194	15.2	96	24.3	0.445
35.898	2.4996	35.836	2.5038	13	203	15.9	90	22.8	0.399
36.383	2.4673	36.383	2.4673	24	114	8.9	24	6.1	0.189
37.099	2.4214	37.099	2.4214	20	37	2.9	9	2.3	0.219
39.361	2.2873	39.361	2.2873	4	181	14.2	41	10.4	0.204
41.617	2.1684	41.617	2.1684	12	666	52.2	108	27.3	0.146
42.411	2.1296	42.408	2.1297	10	101	7.9	59	14.9	0.526
43.061	2.0989	43.061	2.0989	8	103	8.1	23	5.8	0.201
45.638	1.9862	45.638	1.9862	18	36	2.8	6	1.5	0.15
47.475	1.9136	47.475	1.9136	26	252	19.7	45	11.4	0.161
48.448	1.8774	48.448	1.8774	20	97	7.6	23	5.8	0.213
48.93	1.86	48.93	1.86	24	55	4.3	8	2	0.131
50.005	1.8225	50.004	1.8225	16	281	22	45	11.4	0.144
50.637	1.8012	50.636	1.8013	13	385	30.1	80	20.3	0.187
53.158	1.7216	53.158	1.7216	7	17	1.3	6	1.5	0.318
57.267	1.6075	57.267	1.6075	19	32	2.5	5	1.3	0.141
59.889	1.5432	59.893	1.5431	7	149	11.7	34	8.6	0.205
61.915	1.4975	61.915	1.4975	4	69	5.4	19	4.8	0.248
67.635	1.3841	67.647	1.3838	7	102	8	30	7.6	0.265
68.098	1.3758	68.098	1.3758	5	99	7.8	32	8.1	0.291
69.445	1.3523	69.445	1.3523	6	52	4.1	10	2.5	0.173



Peak Analysis
Sample ID - 566

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.784	9.033	9.784	9.033	8	66	5.5	14	3.4	0.191
13.61	6.501	13.599	6.506	15	131	10.9	47	11.5	0.323
15.119	5.8551	15.133	5.8497	5	57	4.8	21	5.2	0.332
19.867	4.4654	19.867	4.4654	56	26	2.2	4	1	0.138
20.809	4.2654	20.827	4.2617	76	833	69.5	195	47.9	0.211
21.857	4.0632	21.861	4.0623	87	1199	100	407	100	0.306
22.562	3.9377	22.562	3.9377	127	86	7.2	25	6.1	0.262
23.54	3.7762	23.545	3.7754	87	450	37.5	158	38.8	0.316
27.667	3.2216	27.667	3.2216	699	742	61.9	123	30.2	0.149
29.82	2.9937	29.827	2.9931	34	312	26	118	29	0.34
30.785	2.9021	30.788	2.9018	31	225	18.8	79	19.4	0.316
31.885	2.8044	31.885	2.8044	30	30	2.5	6	1.5	0.18
32.373	2.7633	32.355	2.7647	25	153	12.8	33	8.1	0.194
34.368	2.6073	34.368	2.6073	73	26	2.2	4	1	0.138
34.809	2.5753	34.807	2.5754	26	178	14.8	76	18.7	0.384
35.505	2.5264	35.5	2.5267	34	223	18.6	143	35.1	0.577
36.463	2.4622	36.463	2.4622	56	111	9.3	19	4.7	0.154
37.662	2.3865	37.662	2.3865	39	37	3.1	6	1.5	0.146
40.229	2.2399	40.229	2.2399	3	104	8.7	16	3.9	0.138
41.667	2.1658	41.667	2.1658	12	82	6.8	28	6.9	0.307
42.426	2.1289	42.404	2.1299	25	286	23.9	60	14.7	0.189
46.99	1.9322	47	1.9318	9	46	3.8	17	4.2	0.333
49.236	1.8491	49.236	1.8491	18	49	4.1	8	2	0.147
50.072	1.8202	50.072	1.8202	34	547	45.6	78	19.2	0.128
50.819	1.7952	50.862	1.7938	29	250	20.9	79	19.4	0.284
53.42	1.7138	53.42	1.7138	17	25	2.1	6	1.5	0.216
54.834	1.6729	54.832	1.6729	7	96	8	17	4.2	0.159
56.981	1.6148	56.981	1.6148	13	40	3.3	10	2.5	0.225
59.884	1.5433	59.884	1.5433	17	299	24.9	43	10.6	0.129
62.114	1.4931	62.114	1.4931	10	94	7.8	21	5.2	0.201
63.975	1.4541	63.975	1.4541	5	37	3.1	9	2.2	0.219
67.626	1.3842	67.626	1.3842	8	192	16	41	10.1	0.192
68.171	1.3745	68.149	1.3749	7	149	12.4	57	14	0.344

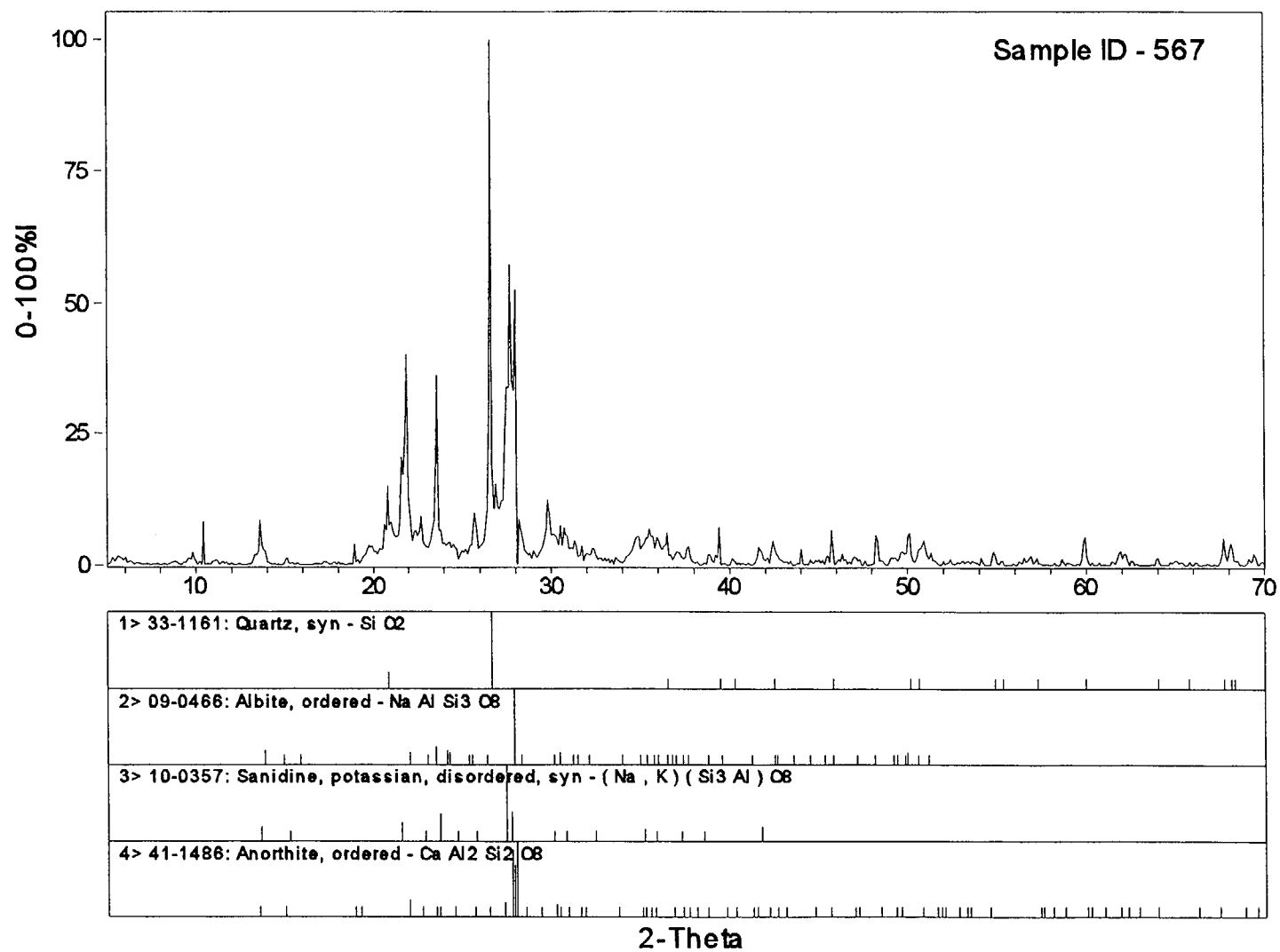
C-7



Peak Analysis
Sample ID - 566a

Peak		Centroid		Bkgrnd counts	Peak counts	Intensity %	Area	Intensity %	FWHM
Position 2Theta	d	Position 2Theta	d						
8.78	10.0633	8.749	10.0993	3	59	2.9	15	1.6	0.229
13.618	6.4972	13.615	6.4985	16	125	6.2	40	4.2	0.288
15.114	5.8574	15.142	5.8466	8	75	3.7	24	2.5	0.288
21.008	4.2254	21.008	4.2254	65	313	15.5	94	9.8	0.27
21.85	4.0644	21.819	4.0701	87	2016	100	681	71.2	0.304
22.576	3.9352	22.576	3.9352	144	42	2.1	6	0.6	0.129
23.527	3.7783	23.542	3.776	90	588	29.2	200	20.9	0.306
24.516	3.6281	24.516	3.6281	59	62	3.1	17	1.8	0.247
25.684	3.4657	25.684	3.4657	65	390	19.3	72	7.5	0.166
26.572	3.3518	26.575	3.3515	67	988	49	225	23.5	0.205
26.894	3.3125	26.894	3.3125	26	544	27	163	17.1	0.27
27.603	3.229	27.582	3.2314	49	1443	71.6	956	100	0.596
28.266	3.1547	28.266	3.1547	57	175	8.7	62	6.5	0.319
29.818	2.994	29.819	2.9938	27	339	16.8	121	12.7	0.321
30.704	2.9096	30.704	2.9096	15	249	12.4	205	21.4	0.741
31.373	2.849	31.341	2.8518	28	189	9.4	61	6.4	0.29
32.353	2.7649	32.353	2.7649	19	101	5	19	2	0.169
33.06	2.7074	33.06	2.7074	5	63	3.1	10	1	0.143
34.784	2.577	34.789	2.5767	16	265	13.1	94	9.8	0.319
35.517	2.5255	35.588	2.5207	31	255	12.6	144	15.1	0.508
35.981	2.494	35.986	2.4937	39	274	13.6	127	13.3	0.417
37.121	2.42	37.121	2.42	27	51	2.5	17	1.8	0.3
37.735	2.382	37.735	2.382	26	76	3.8	20	2.1	0.237
39.343	2.2883	39.343	2.2883	28	28	1.4	5	0.5	0.161
41.641	2.1672	41.641	2.1672	6	176	8.7	50	5.2	0.256
42.503	2.1252	42.481	2.1262	7	101	5	67	7	0.597
43.972	2.0575	43.972	2.0575	18	33	1.6	5	0.5	0.136
46.2	1.9634	46.2	1.9634	20	29	1.4	6	0.6	0.186
46.996	1.9319	47.012	1.9313	14	77	3.8	40	4.2	0.468
48.436	1.8778	48.436	1.8778	17	76	3.8	17	1.8	0.201
50.007	1.8224	50.007	1.8224	14	142	7	37	3.9	0.235
50.892	1.7928	50.882	1.7931	14	242	12	95	9.9	0.353
53.892	1.6999	53.893	1.6998	1	41	2	15	1.6	0.329
54.817	1.6734	54.817	1.6734	3	53	2.6	12	1.3	0.204
56.95	1.6156	56.95	1.6156	12	63	3.1	16	1.7	0.229
59.849	1.5441	59.849	1.5441	10	55	2.7	11	1.2	0.18
61.967	1.4963	61.98	1.4961	13	116	5.8	55	5.8	0.427
62.978	1.4747	62.978	1.4747	9	29	1.4	6	0.6	0.186
65.01	1.4334	65.01	1.4334	3	65	3.2	17	1.8	0.235
67.661	1.3836	67.661	1.3836	5	59	2.9	12	1.3	0.183
68.024	1.3771	68.006	1.3774	7	136	6.7	35	3.7	0.232

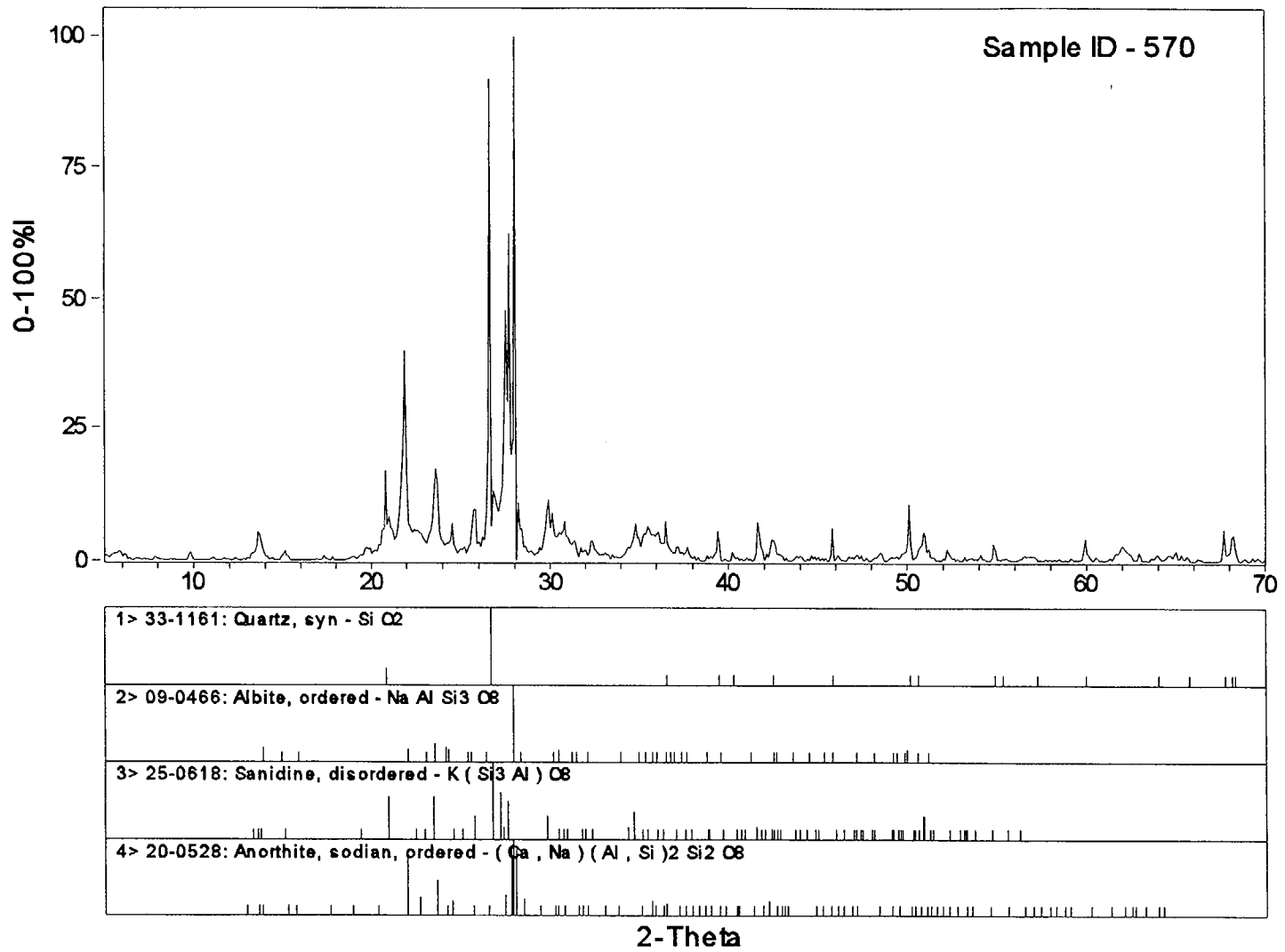
6-9



Peak Analysis
Sample ID - 567

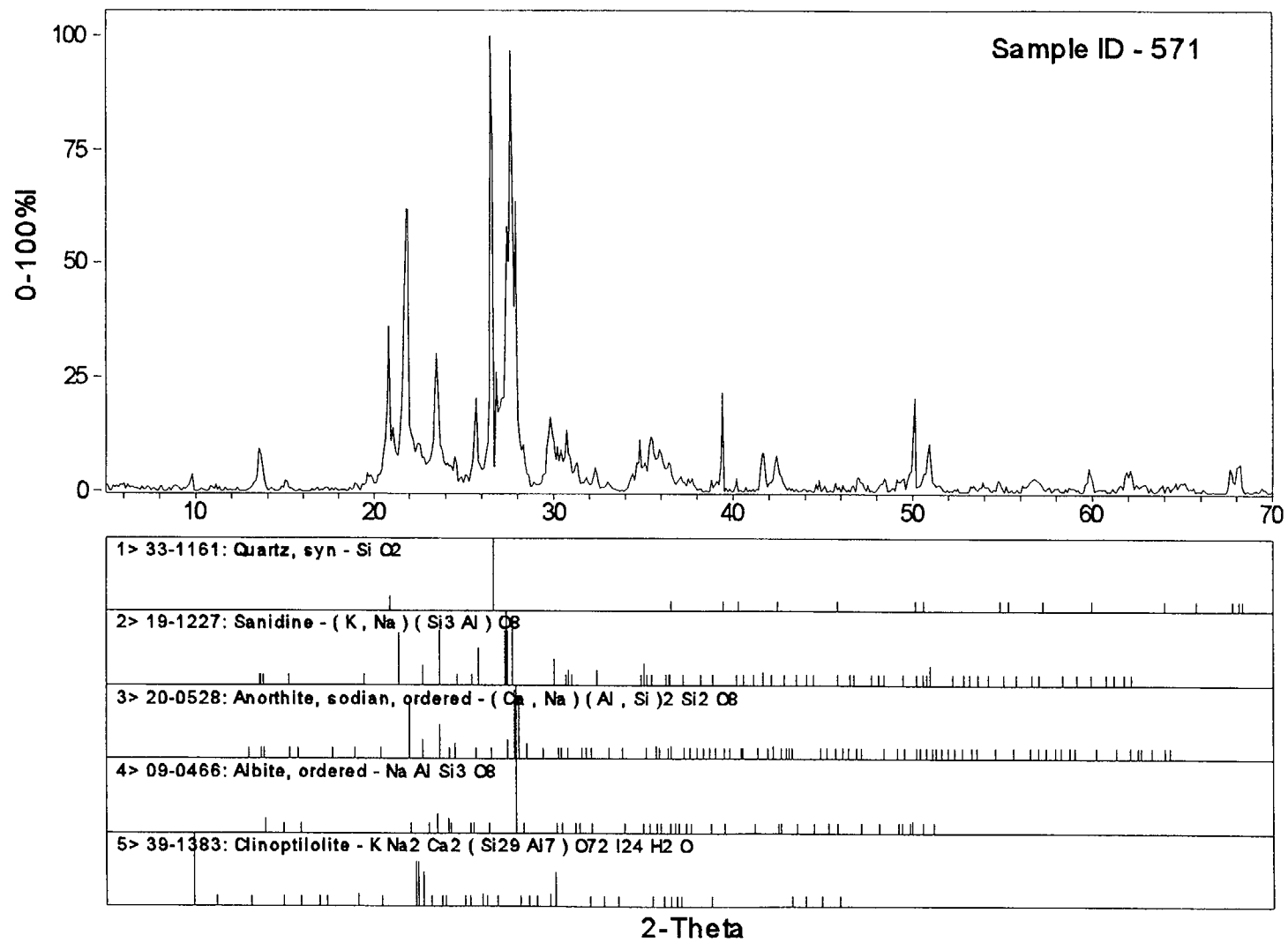
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.774	10.0699	8.759	10.0879	3	21	1.6	7	1.7	0.3
9.801	9.0174	9.801	9.0174	11	68	5.2	13	3.2	0.172
13.617	6.4976	13.616	6.4979	5	279	21.2	82	20.4	0.265
17.232	5.1417	17.232	5.1417	5	19	1.4	3	0.7	0.142
19.758	4.4899	19.758	4.4899	68	57	4.3	17	4.2	0.268
20.804	4.2663	20.804	4.2663	121	382	29	61	15.2	0.144
21.866	4.0615	21.867	4.0614	110	1223	92.9	305	75.9	0.224
23.575	3.7707	23.58	3.77	110	1092	82.9	223	55.5	0.184
25.699	3.4638	25.699	3.4638	139	192	14.6	38	9.5	0.178
27.7	3.2179	27.7	3.2179	583	1317	100	402	100	0.275
27.97	3.1875	27.97	3.1875	651	1093	83	157	39.1	0.129
30.711	2.9089	30.685	2.9113	69	168	12.8	67	16.7	0.359
31.34	2.852	31.34	2.852	60	61	4.6	15	3.7	0.221
32.345	2.7656	32.345	2.7656	59	47	3.6	10	2.5	0.191
34.795	2.5763	34.796	2.5762	40	137	10.4	78	19.4	0.512
35.502	2.5265	35.492	2.5273	44	188	14.3	124	30.8	0.594
36.485	2.4607	36.457	2.4625	46	157	11.9	44	10.9	0.252
37.035	2.4254	37.035	2.4254	47	36	2.7	8	2	0.2
37.668	2.3861	37.668	2.3861	25	94	7.1	21	5.2	0.201
38.845	2.3165	38.845	2.3165	39	29	2.2	7	1.7	0.217
41.655	2.1665	41.675	2.1655	7	108	8.2	35	8.7	0.292
42.437	2.1283	42.437	2.1283	8	144	10.9	38	9.5	0.237
47.042	1.9302	47.042	1.9302	20	34	2.6	9	2.2	0.238
48.249	1.8846	48.249	1.8846	4	187	14.2	38	9.5	0.183
50.057	1.8207	50.026	1.8218	11	197	15	59	14.7	0.27
50.881	1.7932	50.87	1.7935	10	150	11.4	81	20.1	0.486
53.621	1.7078	53.621	1.7078	9	20	1.5	3	0.7	0.135
54.801	1.6738	54.801	1.6738	18	71	5.4	15	3.7	0.19
56.805	1.6194	56.805	1.6194	8	42	3.2	13	3.2	0.279
59.866	1.5437	59.866	1.5437	14	166	12.6	38	9.5	0.206
61.887	1.4981	61.887	1.4981	9	82	6.2	25	6.2	0.274
63.976	1.4541	63.976	1.4541	10	37	2.8	7	1.7	0.17
66.819	1.399	66.819	1.399	2	13	1	2	0.5	0.138
67.701	1.3829	67.701	1.3829	9	164	12.5	33	8.2	0.181
68.098	1.3758	68.099	1.3758	11	133	10.1	42	10.4	0.284
69.384	1.3534	69.384	1.3534	7	69	5.2	15	3.7	0.196

C-11



Peak Analysis
Sample ID - 570

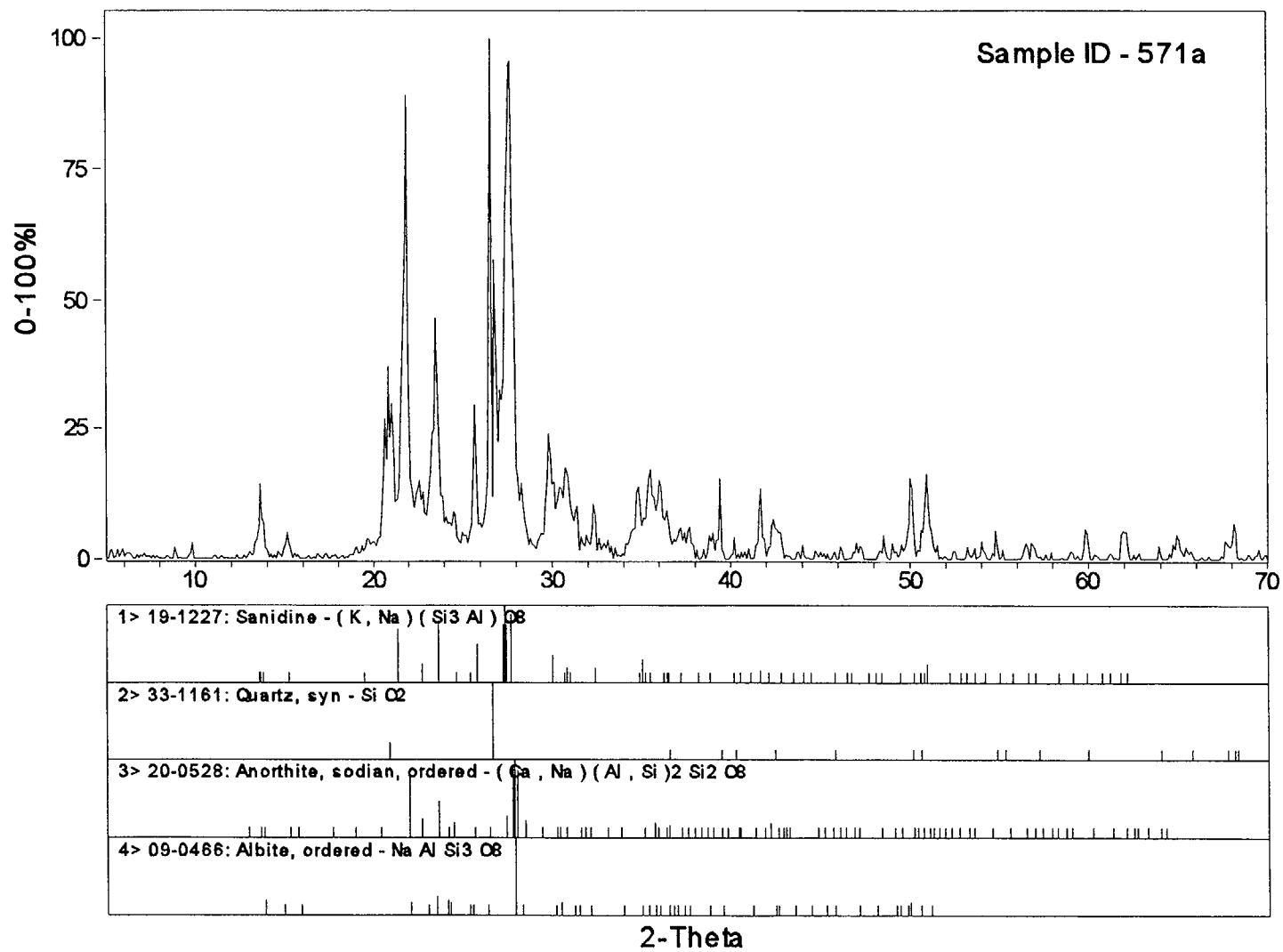
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
6.819	12.9532	6.819	12.9532	4	11	0.8	3	0.7	0.245	
9.778	9.0382	9.778	9.0382	10	43	3.2	8	1.8	0.167	
13.629	6.4921	13.633	6.4901	8	187	14.1	74	16.5	0.356	
15.109	5.8591	15.109	5.8591	5	64	4.8	17	3.8	0.239	
19.693	4.5043	19.693	4.5043	52	35	2.6	8	1.8	0.206	
20.802	4.2667	20.823	4.2625	134	473	35.7	89	19.8	0.169	
21.867	4.0613	21.855	4.0635	108	1326	100	449	100	0.305	
23.593	3.7679	23.589	3.7685	115	506	38.2	173	38.5	0.308	
24.495	3.6311	24.495	3.6311	87	170	12.8	26	5.8	0.138	
25.75	3.457	25.75	3.457	110	238	17.9	48	10.7	0.182	
30.789	2.9017	30.792	2.9015	55	215	16.2	94	20.9	0.393	
31.966	2.7975	31.966	2.7975	53	21	1.6	3	0.7	0.129	
32.386	2.7622	32.386	2.7622	47	86	6.5	23	5.1	0.241	
34.811	2.5751	34.811	2.5751	46	208	15.7	71	15.8	0.307	
35.5	2.5267	35.553	2.5231	35	200	15.1	150	33.4	0.675	
36.49	2.4604	36.463	2.4621	58	212	16	50	11.1	0.212	
39.396	2.2854	39.396	2.2854	26	177	13.3	30	6.7	0.153	
41.656	2.1664	41.656	2.1664	24	242	18.3	52	11.6	0.193	
42.461	2.1272	42.461	2.1272	32	114	8.6	35	7.8	0.276	
47.175	1.925	47.175	1.925	10	36	2.7	8	1.8	0.2	
48.469	1.8766	48.469	1.8766	13	46	3.5	13	2.9	0.254	
50.08	1.8199	50.08	1.8199	9	376	28.4	64	14.3	0.153	
50.901	1.7925	50.898	1.7926	10	187	14.1	79	17.6	0.38	
52.266	1.7489	52.266	1.7489	10	42	3.2	13	2.9	0.279	
54.833	1.6729	54.833	1.6729	5	111	8.4	20	4.5	0.162	
59.914	1.5426	59.925	1.5424	5	147	11.1	33	7.3	0.202	
62	1.4956	62.01	1.4954	3	105	7.9	68	15.1	0.583	
63.921	1.4552	63.92	1.4552	7	35	2.6	11	2.4	0.283	
65.588	1.4222	65.588	1.4222	4	33	2.5	8	1.8	0.218	
67.709	1.3827	67.709	1.3827	3	213	16.1	40	8.9	0.169	
68.181	1.3743	68.134	1.3751	2	175	13.2	62	13.8	0.319	



Peak Analysis
Sample ID - 571

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
9.766	9.0492	9.766	9.0492	25	57	2.8	9	1	0.142	
13.545	6.532	13.536	6.5361	7	190	9.4	68	7.3	0.322	
15.027	5.8911	15.051	5.8816	3	46	2.3	14	1.5	0.274	
18.942	4.6812	18.942	4.6812	11	26	1.3	5	0.5	0.173	
19.625	4.5199	19.625	4.5199	33	54	2.7	9	1	0.15	
20.787	4.2697	20.812	4.2646	88	668	33.2	184	19.7	0.248	
21.796	4.0744	21.783	4.0768	101	1194	59.3	465	49.7	0.351	
22.492	3.9499	22.492	3.9499	168	51	2.5	15	1.6	0.265	
23.5	3.7826	23.511	3.7809	116	517	25.7	158	16.9	0.275	
24.533	3.6256	24.533	3.6256	114	48	2.4	7	0.7	0.131	
25.664	3.4684	25.664	3.4684	94	334	16.6	64	6.8	0.172	
26.522	3.3581	26.52	3.3583	77	2014	100	435	46.5	0.194	
27.605	3.2287	27.591	3.2304	68	1953	97	936	100	0.431	
29.805	2.9952	29.819	2.9939	45	295	14.6	127	13.6	0.387	
30.708	2.9092	30.706	2.9094	32	251	12.5	100	10.7	0.359	
31.248	2.8601	31.248	2.8601	34	101	5	28	3	0.25	
32.318	2.7678	32.318	2.7678	33	79	3.9	17	1.8	0.194	
34.789	2.5767	34.791	2.5766	17	222	11	72	7.7	0.292	
35.422	2.5321	35.42	2.5322	22	231	11.5	174	18.6	0.678	
35.899	2.4995	35.9	2.4995	12	184	9.1	144	15.4	0.704	
36.392	2.4668	36.392	2.4668	48	88	4.4	34	3.6	0.348	
41.635	2.1675	41.635	2.1675	8	173	8.6	49	5.2	0.255	
42.411	2.1296	42.42	2.1291	9	160	7.9	70	7.5	0.394	
47.024	1.9309	47.024	1.9309	28	40	2	12	1.3	0.27	
48.37	1.8802	48.37	1.8802	15	50	2.5	14	1.5	0.252	
49.382	1.844	49.382	1.844	40	18	0.9	6	0.6	0.3	
50.072	1.8202	50.06	1.8206	14	419	20.8	100	10.7	0.215	
50.883	1.7931	50.856	1.794	15	208	10.3	75	8	0.325	
53.381	1.7149	53.381	1.7149	4	28	1.4	5	0.5	0.161	
54.789	1.6742	54.789	1.6742	14	41	2	9	1	0.198	
56.795	1.6197	56.781	1.62	11	50	2.5	34	3.6	0.612	
59.83	1.5446	59.83	1.5446	11	103	5.1	28	3	0.245	
62.098	1.4935	62.098	1.4935	13	93	4.6	21	2.2	0.203	
67.662	1.3836	67.662	1.3836	7	105	5.2	25	2.7	0.214	
68.116	1.3755	68.116	1.3755	4	129	6.4	38	4.1	0.265	

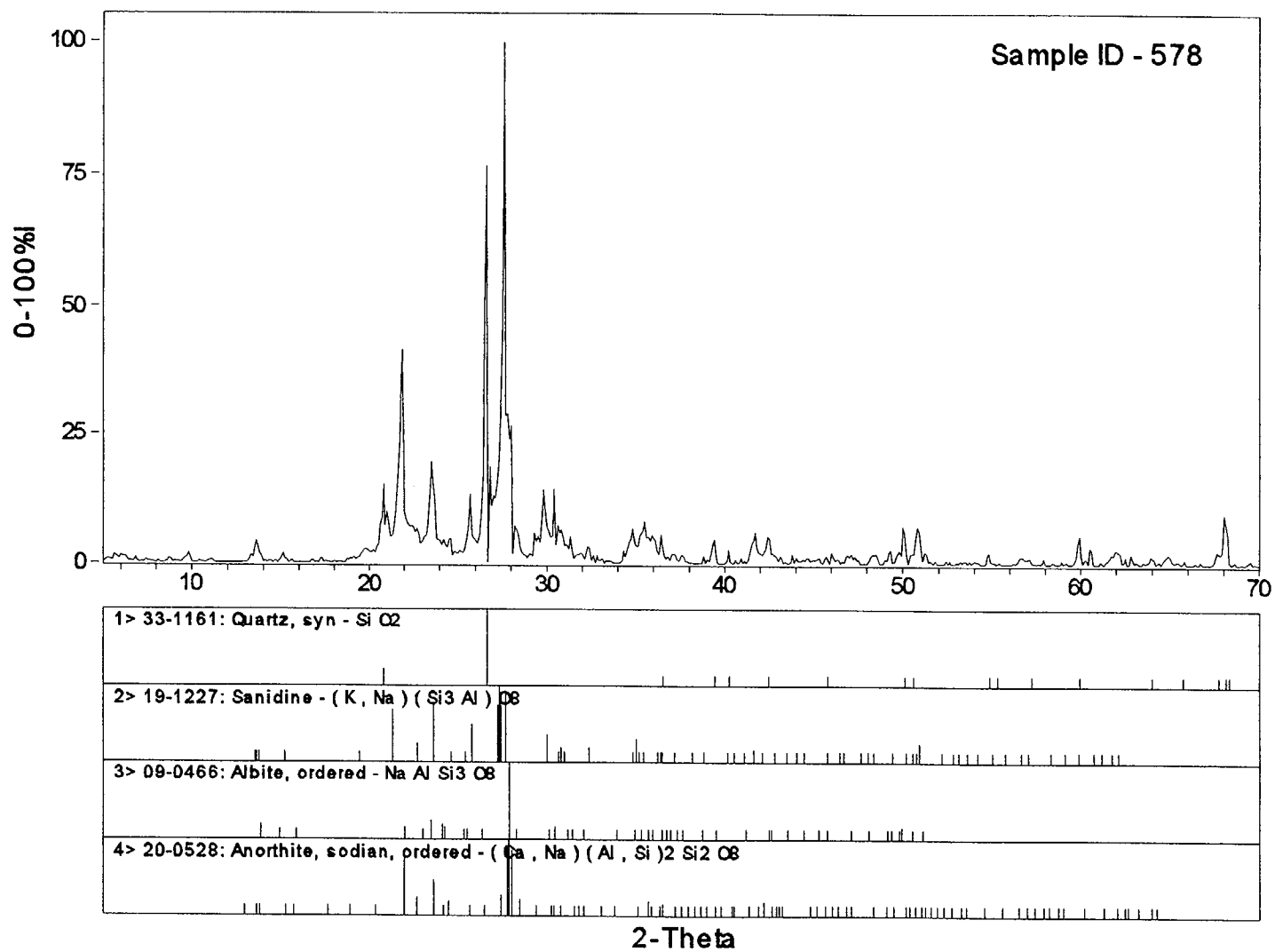
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Peak Analysis
Sample ID - 571a

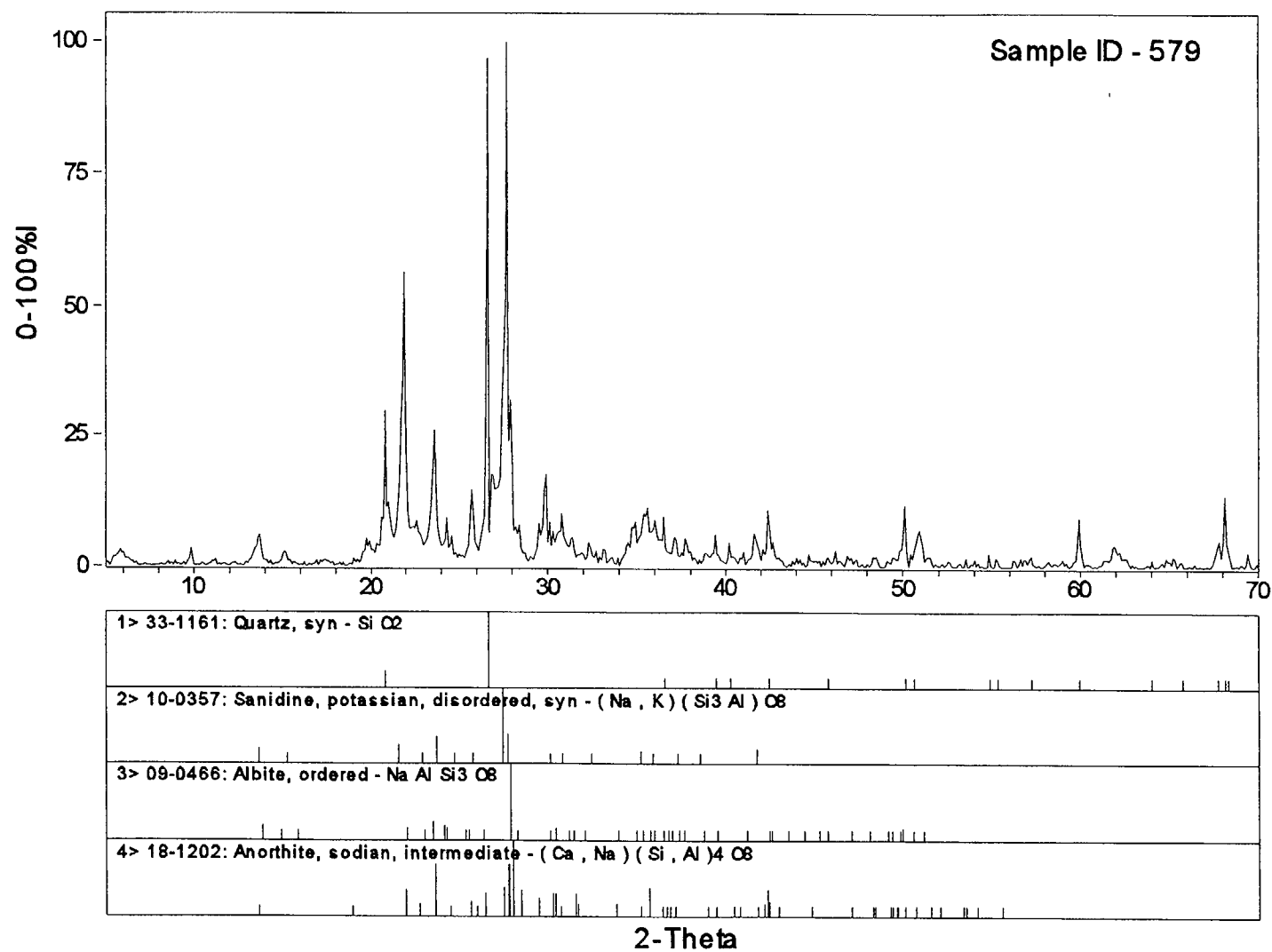
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
9.782	9.0345	9.782	9.0345	14	37	2.4	5	0.6	0.122	
13.622	6.4951	13.618	6.4971	10	228	14.5	68	7.9	0.268	
15.106	5.8603	15.106	5.8603	9	75	4.8	20	2.3	0.24	
19.64	4.5165	19.64	4.5165	39	25	1.6	5	0.6	0.18	
20.812	4.2647	20.812	4.2647	118	488	31.1	97	11.3	0.179	
21.854	4.0637	21.816	4.0707	118	1345	85.7	507	59.1	0.339	
22.576	3.9353	22.576	3.9353	183	66	4.2	10	1.2	0.136	
23.512	3.7808	23.514	3.7804	133	628	40	220	25.6	0.315	
24.552	3.6229	24.552	3.6229	111	40	2.5	8	0.9	0.18	
25.697	3.464	25.697	3.464	94	392	25	75	8.7	0.172	
26.574	3.3516	26.577	3.3513	71	1569	100	328	38.2	0.188	
26.872	3.3151	26.872	3.3151	64	608	38.8	206	24	0.305	
27.679	3.2203	27.625	3.2265	73	1498	95.5	858	100	0.515	
28.3	3.1511	28.3	3.1511	80	159	10.1	48	5.6	0.272	
29.818	2.994	29.843	2.9915	56	339	21.6	156	18.2	0.414	
30.709	2.9091	30.669	2.9128	58	228	14.5	179	20.9	0.707	
31.355	2.8506	31.355	2.8506	69	99	6.3	18	2.1	0.164	
32.323	2.7674	32.323	2.7674	63	113	7.2	22	2.6	0.175	
34.794	2.5763	34.796	2.5762	41	187	11.9	87	10.1	0.419	
35.49	2.5274	35.497	2.5269	41	241	15.4	155	18.1	0.579	
35.999	2.4928	35.999	2.4928	26	222	14.1	114	13.3	0.462	
37.146	2.4184	37.146	2.4184	48	43	2.7	14	1.6	0.293	
37.694	2.3845	37.694	2.3845	28	74	4.7	19	2.2	0.231	
38.968	2.3094	38.968	2.3094	15	69	4.4	13	1.5	0.17	
39.373	2.2866	39.364	2.2871	10	245	15.6	39	4.5	0.143	
41.686	2.1649	41.671	2.1657	13	209	13.3	54	6.3	0.233	
42.427	2.1288	42.495	2.1255	9	118	7.5	59	6.9	0.45	
46.137	1.9659	46.137	1.9659	11	29	1.8	5	0.6	0.155	
46.997	1.9319	46.997	1.9319	8	45	2.9	7	0.8	0.14	
48.508	1.8752	48.508	1.8752	4	73	4.7	12	1.4	0.148	
50.027	1.8218	50.018	1.8221	18	239	15.2	68	7.9	0.256	
50.911	1.7922	50.916	1.792	18	252	16.1	90	10.5	0.321	
54.03	1.6959	54.03	1.6959	9	49	3.1	7	0.8	0.129	
54.824	1.6732	54.824	1.6732	13	78	5	11	1.3	0.127	
56.886	1.6173	56.886	1.6173	22	24	1.5	7	0.8	0.262	
59.016	1.5639	59.016	1.5639	5	20	1.3	5	0.6	0.225	
59.854	1.544	59.854	1.544	12	83	5.3	20	2.3	0.217	
61.96	1.4965	61.96	1.4965	21	68	4.3	26	3	0.344	
64.915	1.4353	64.93	1.435	3	75	4.8	26	3	0.312	
67.648	1.3838	67.648	1.3838	5	52	3.3	10	1.2	0.173	
68.09	1.3759	68.056	1.3765	5	110	7	31	3.6	0.254	

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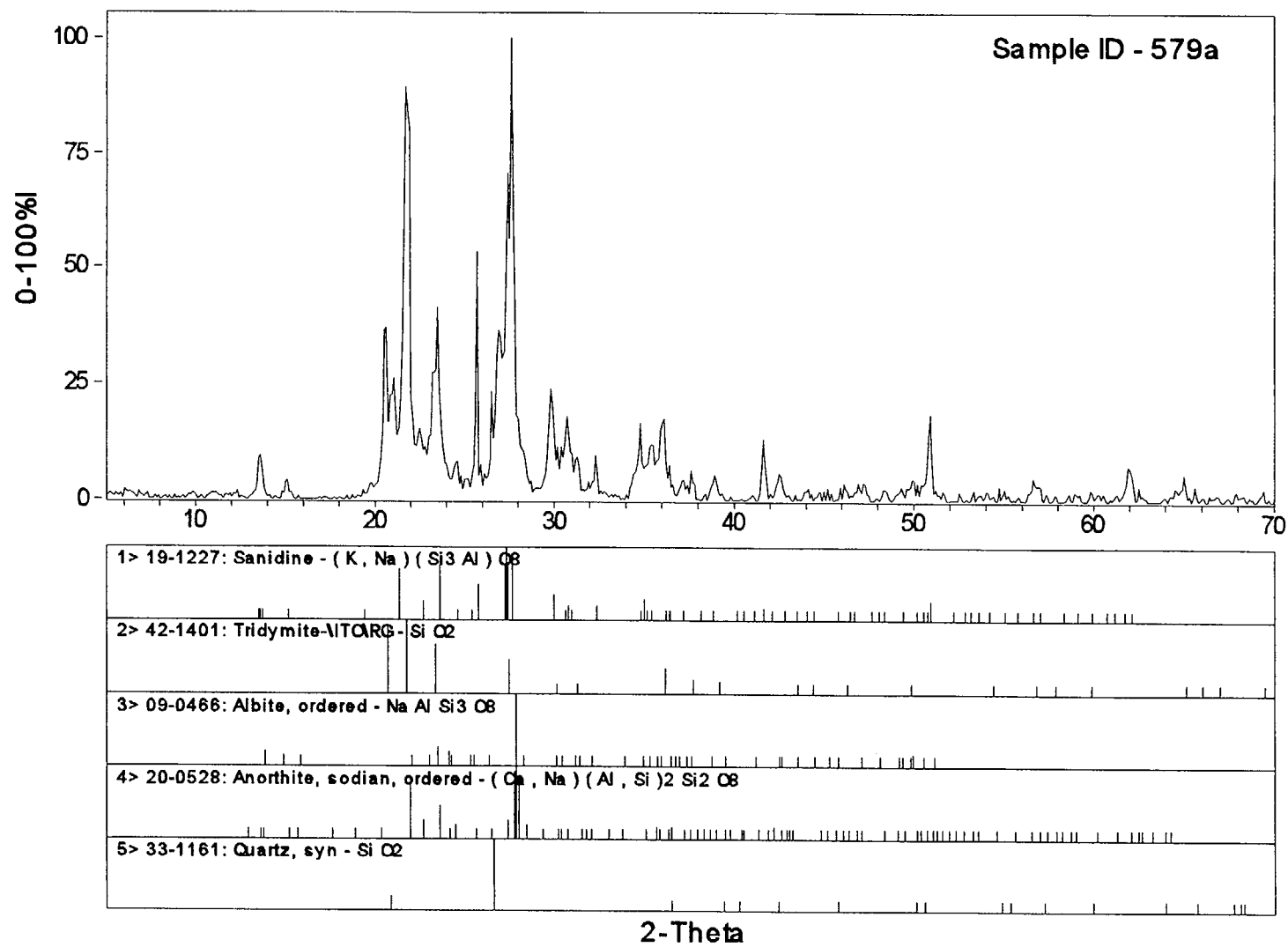
Peak Analysis
Sample ID - 578

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.773	9.0429	9.754	9.0609	5	56	2.3	14	3.3	0.225
13.612	6.5001	13.596	6.5078	6	127	5.2	45	10.5	0.319
15.101	5.8623	15.101	5.8623	11	45	1.8	10	2.3	0.2
20.79	4.2691	20.817	4.2637	158	306	12.5	69	16	0.203
21.844	4.0654	21.824	4.0692	112	1147	46.9	430	100	0.337
23.527	3.7783	23.534	3.7772	118	480	19.6	165	38.4	0.309
24.557	3.6222	24.557	3.6222	95	50	2	9	2.1	0.162
26.568	3.3524	26.568	3.3524	923	1406	57.4	207	48.1	0.133
27.589	3.2305	27.589	3.2305	589	2448	100	395	91.9	0.145
29.818	2.9939	29.817	2.9941	48	388	15.8	180	41.9	0.418
30.394	2.9385	30.394	2.9385	45	393	16.1	79	18.4	0.181
30.796	2.9011	30.799	2.9008	38	160	6.5	82	19.1	0.461
32.317	2.7679	32.317	2.7679	42	59	2.4	13	3	0.198
34.79	2.5766	34.797	2.5761	14	193	7.9	86	20	0.401
35.49	2.5274	35.488	2.5275	14	234	9.6	183	42.6	0.704
35.902	2.4993	35.901	2.4994	7	163	6.7	95	22.1	0.525
36.422	2.4648	36.422	2.4648	34	138	5.6	25	5.8	0.163
37.619	2.3891	37.619	2.3891	19	36	1.5	7	1.6	0.175
39.351	2.2878	39.351	2.2878	6	139	5.7	32	7.4	0.207
41.672	2.1656	41.697	2.1644	17	171	7	65	15.1	0.342
42.407	2.1298	42.391	2.1305	16	144	5.9	69	16	0.431
44.621	2.0291	44.616	2.0293	9	27	1.1	10	2.3	0.333
46.025	1.9704	46.025	1.9704	27	13	0.5	5	1.2	0.346
47.295	1.9204	47.295	1.9204	10	34	1.4	10	2.3	0.265
48.431	1.878	48.431	1.878	11	52	2.1	17	4	0.294
49.257	1.8484	49.257	1.8484	18	65	2.7	11	2.6	0.152
50.032	1.8216	50.032	1.8216	33	188	7.7	41	9.5	0.196
50.83	1.7949	50.816	1.7953	28	191	7.8	63	14.7	0.297
54.765	1.6748	54.765	1.6748	15	55	2.2	9	2.1	0.147
59.858	1.5439	59.858	1.5439	12	161	6.6	35	8.1	0.196
60.542	1.5281	60.542	1.5281	23	76	3.1	13	3	0.154
61.91	1.4976	61.916	1.4974	5	81	3.3	50	11.6	0.556
63.952	1.4546	63.952	1.4546	12	38	1.6	9	2.1	0.213
65.404	1.4258	65.404	1.4258	7	14	0.6	3	0.7	0.193
67.655	1.3837	67.655	1.3837	5	73	3	23	5.3	0.284
68.047	1.3767	68.046	1.3767	7	292	11.9	83	19.3	0.256



Peak Analysis
Sample ID - 579

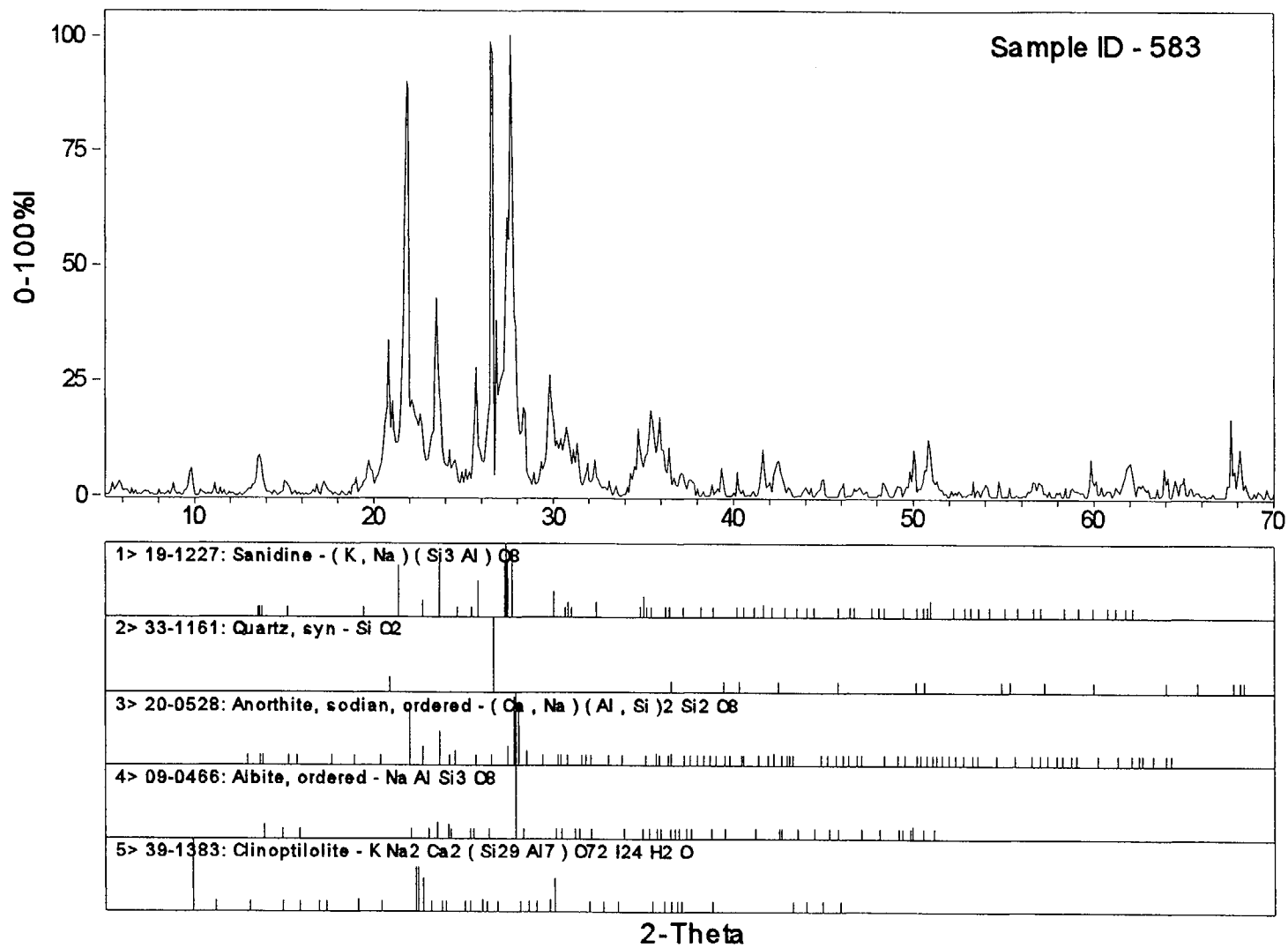
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
9.788	9.0288	9.788	9.0288	12	71	3	12	1.3	0.152	
13.658	6.478	13.604	6.5036	8	137	5.8	59	6.5	0.388	
15.096	5.8642	15.096	5.8641	9	57	2.4	18	2	0.284	
19.709	4.5008	19.709	4.5008	55	74	3.1	15	1.7	0.182	
20.806	4.2659	20.806	4.2659	126	594	25.2	84	9.3	0.127	
21.863	4.0621	21.847	4.065	98	1263	53.7	403	44.7	0.287	
22.585	3.9337	22.585	3.9337	147	66	2.8	10	1.1	0.136	
23.576	3.7706	23.565	3.7724	94	533	22.6	159	17.6	0.268	
25.708	3.4626	25.705	3.4629	72	283	12	66	7.3	0.21	
26.581	3.3507	26.583	3.3505	57	2282	96.9	385	42.7	0.152	
26.923	3.3089	26.911	3.3104	42	379	16.1	358	39.7	0.85	
27.689	3.2192	27.672	3.2211	59	2354	100	902	100	0.345	
29.816	2.9941	29.816	2.9941	39	316	13.4	102	11.3	0.291	
30.782	2.9024	30.751	2.9052	38	208	8.8	97	10.8	0.42	
32.348	2.7654	32.348	2.7654	41	46	2	13	1.4	0.254	
34.889	2.5695	34.966	2.5641	41	167	7.1	95	10.5	0.512	
35.59	2.5205	35.592	2.5204	40	236	10	91	10.1	0.347	
36.454	2.4627	36.454	2.4627	76	154	6.5	25	2.8	0.146	
37.122	2.42	37.122	2.42	67	70	3	15	1.7	0.193	
37.741	2.3817	37.741	2.3817	46	87	3.7	15	1.7	0.155	
39.389	2.2857	39.373	2.2866	28	122	5.2	26	2.9	0.192	
40.223	2.2402	40.223	2.2402	30	80	3.4	12	1.3	0.135	
41.661	2.1662	41.661	2.1662	27	128	5.4	36	4	0.253	
42.426	2.1289	42.426	2.1289	18	246	10.5	57	6.3	0.209	
46.911	1.9353	46.911	1.9353	10	44	1.9	8	0.9	0.164	
48.332	1.8816	48.332	1.8816	7	40	1.7	8	0.9	0.18	
50.062	1.8206	50.062	1.8206	39	248	10.5	42	4.7	0.152	
50.903	1.7925	50.886	1.793	30	141	6	54	6	0.345	
57.163	1.6101	57.163	1.6101	8	41	1.7	8	0.9	0.176	
59.911	1.5427	59.898	1.543	5	223	9.5	50	5.5	0.202	
61.91	1.4976	61.909	1.4976	9	92	3.9	37	4.1	0.362	
64.833	1.4369	64.833	1.4369	10	34	1.4	5	0.6	0.132	
67.716	1.3826	67.715	1.3826	9	90	3.8	35	3.9	0.35	
68.11	1.3756	68.109	1.3756	12	320	13.6	69	7.6	0.194	
69.404	1.353	69.404	1.353	7	62	2.6	9	1	0.131	



Peak Analysis

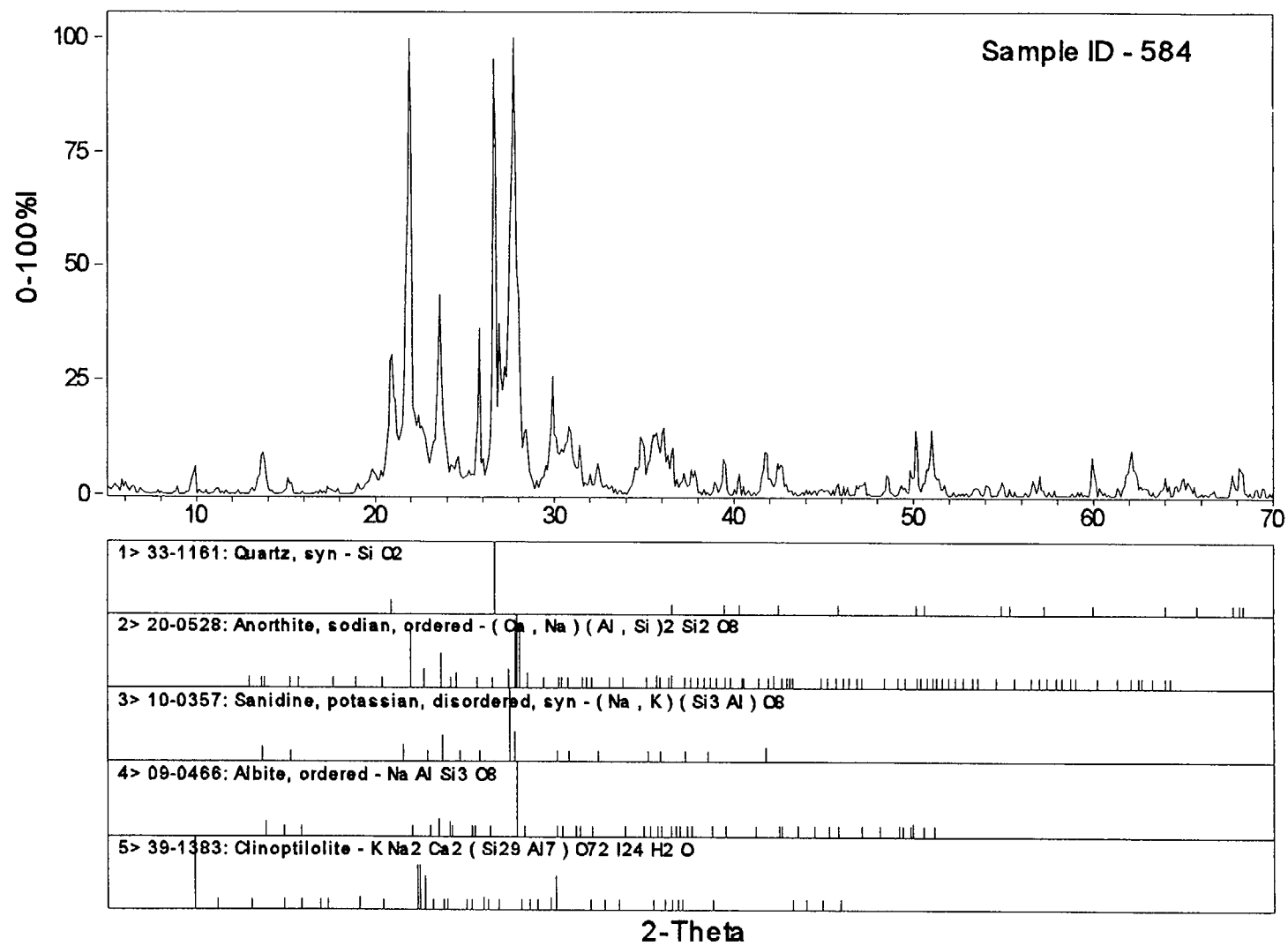
Sample ID -
579a

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.812	9.007	9.787	9.0298	6	19	1.1	6	0.8	0.284
13.582	6.5141	13.567	6.5216	4	163	9.6	61	8.5	0.337
15.076	5.8718	15.078	5.8711	8	65	3.8	18	2.5	0.249
20.576	4.3131	20.578	4.3128	121	534	31.4	162	22.6	0.273
20.972	4.2326	20.983	4.2303	108	355	20.9	232	32.3	0.588
21.729	4.0867	21.717	4.089	143	1440	84.6	674	93.9	0.421
22.503	3.9479	22.503	3.9479	206	66	3.9	14	1.9	0.191
23.473	3.7869	23.433	3.7933	162	572	33.6	201	28	0.316
24.554	3.6226	24.554	3.6226	80	66	3.9	12	1.7	0.164
26.92	3.3094	26.917	3.3097	58	588	34.5	283	39.4	0.433
27.603	3.229	27.602	3.2291	68	1702	100	718	100	0.38
29.822	2.9935	29.83	2.9928	45	380	22.3	149	20.8	0.353
30.707	2.9092	30.695	2.9104	49	269	15.8	128	17.8	0.428
31.261	2.859	31.261	2.859	36	126	7.4	40	5.6	0.286
32.281	2.7709	32.281	2.7709	29	140	8.2	28	3.9	0.18
34.791	2.5766	34.81	2.5752	15	278	16.3	138	19.2	0.447
35.4	2.5336	35.4	2.5336	18	195	11.5	164	22.8	0.757
36.051	2.4893	36.048	2.4895	13	296	17.4	176	24.5	0.535
37.187	2.4159	37.188	2.4158	18	59	3.5	23	3.2	0.351
37.616	2.3893	37.588	2.391	11	103	6.1	30	4.2	0.262
38.894	2.3136	38.892	2.3138	13	83	4.9	27	3.8	0.293
41.619	2.1682	41.619	2.1682	9	223	13.1	56	7.8	0.226
42.503	2.1252	42.512	2.1247	6	94	5.5	39	5.4	0.373
44.063	2.0535	44.063	2.0535	11	39	2.3	6	0.8	0.138
46.122	1.9665	46.129	1.9662	3	62	3.6	19	2.6	0.276
47.217	1.9234	47.215	1.9235	6	61	3.6	21	2.9	0.31
48.379	1.8799	48.379	1.8799	8	36	2.1	11	1.5	0.275
49.892	1.8264	49.898	1.8262	6	74	4.3	36	5	0.438
50.873	1.7934	50.867	1.7936	10	317	18.6	114	15.9	0.324
56.698	1.6222	56.692	1.6224	12	47	2.8	32	4.5	0.613
59.174	1.5601	59.174	1.5601	6	24	1.4	4	0.6	0.15
60.213	1.5357	60.213	1.5357	5	26	1.5	7	1	0.242
61.94	1.4969	61.944	1.4968	4	128	7.5	52	7.2	0.366
64.532	1.4429	64.532	1.4429	13	38	2.2	7	1	0.166
64.969	1.4343	64.969	1.4343	15	88	5.2	19	2.6	0.194
67.91	1.3791	67.91	1.3791	7	31	1.8	8	1.1	0.232
69.368	1.3537	69.368	1.3537	4	44	2.6	7	1	0.143



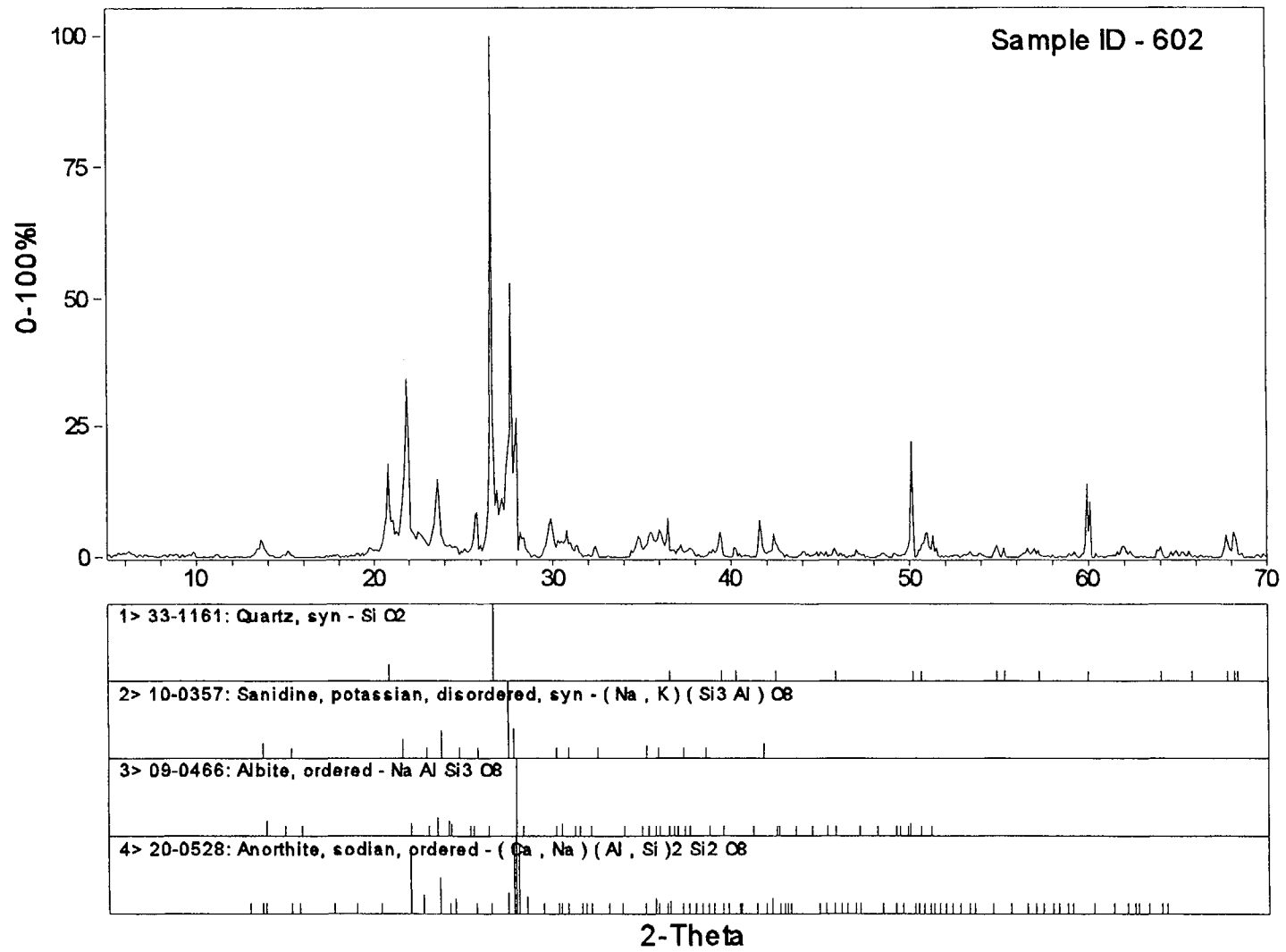
Peak Analysis
Sample ID - 583

Peak	Centroid			Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
5.781	15.2749	5.767	15.3128	8	39	3.2	16	3	0.369
8.788	10.0546	8.788	10.0546	3	37	3	7	1.3	0.17
9.75	9.0638	9.75	9.0638	2	87	7.1	22	4.1	0.228
13.592	6.5094	13.567	6.5216	4	127	10.3	57	10.7	0.404
15.057	5.8794	15.086	5.8682	8	39	3.2	12	2.3	0.277
17.233	5.1415	17.233	5.1415	11	36	2.9	9	1.7	0.225
19.705	4.5017	19.695	4.504	47	65	5.3	18	3.4	0.249
20.793	4.2685	20.833	4.2605	90	411	33.4	138	25.9	0.302
21.795	4.0744	21.806	4.0725	99	1231	100	533	100	0.39
22.602	3.9309	22.602	3.9309	151	112	9.1	25	4.7	0.201
23.517	3.78	23.512	3.7807	102	535	43.5	169	31.7	0.284
24.526	3.6266	24.526	3.6266	89	27	2.2	4	0.8	0.133
26.548	3.3549	26.548	3.3549	618	839	68.2	161	30.2	0.173
27.61	3.2281	27.619	3.2271	414	1063	86.4	290	54.4	0.246
28.355	3.1451	28.355	3.1451	204	78	6.3	17	3.2	0.196
29.815	2.9942	29.824	2.9934	50	341	27.7	133	25	0.351
30.702	2.9097	30.702	2.9098	43	178	14.5	84	15.8	0.425
31.304	2.8551	31.304	2.8551	59	111	9	21	3.9	0.17
31.892	2.8038	31.892	2.8038	38	70	5.7	14	2.6	0.18
32.317	2.7679	32.321	2.7676	30	89	7.2	22	4.1	0.222
34.713	2.5822	34.734	2.5807	23	194	15.8	72	13.5	0.334
35.415	2.5326	35.411	2.5328	19	257	20.9	140	26.3	0.49
35.898	2.4996	35.899	2.4996	19	235	19.1	104	19.5	0.398
37.132	2.4193	37.132	2.4193	39	36	2.9	11	2.1	0.275
39.327	2.2892	39.308	2.2902	5	89	7.2	19	3.6	0.192
41.6	2.1692	41.6	2.1692	6	146	11.9	37	6.9	0.228
42.477	2.1264	42.465	2.127	5	110	8.9	56	10.5	0.458
44.933	2.0158	44.933	2.0158	4	54	4.4	13	2.4	0.217
46.067	1.9687	46.067	1.9687	14	33	2.7	5	0.9	0.136
48.345	1.8812	48.345	1.8812	4	44	3.6	8	1.5	0.164
50.022	1.8219	50.022	1.8219	15	136	11	28	5.3	0.185
50.821	1.7951	50.833	1.7948	11	173	14.1	73	13.7	0.38
53.993	1.6969	53.993	1.6969	8	36	2.9	9	1.7	0.225
54.736	1.6757	54.736	1.6757	16	38	3.1	6	1.1	0.142
56.635	1.6239	56.641	1.6237	8	43	3.5	13	2.4	0.272
56.976	1.615	56.964	1.6153	8	36	2.9	14	2.6	0.35
58.833	1.5683	58.833	1.5683	8	24	1.9	7	1.3	0.262
59.837	1.5444	59.837	1.5444	12	112	9.1	21	3.9	0.169
61.972	1.4962	61.938	1.497	12	99	8	44	8.3	0.4
64.928	1.4351	64.928	1.4351	8	59	4.8	14	2.6	0.214
67.608	1.3845	67.626	1.3842	2	250	20.3	47	8.8	0.169
68.099	1.3757	68.099	1.3757	3	153	12.4	37	6.9	0.218



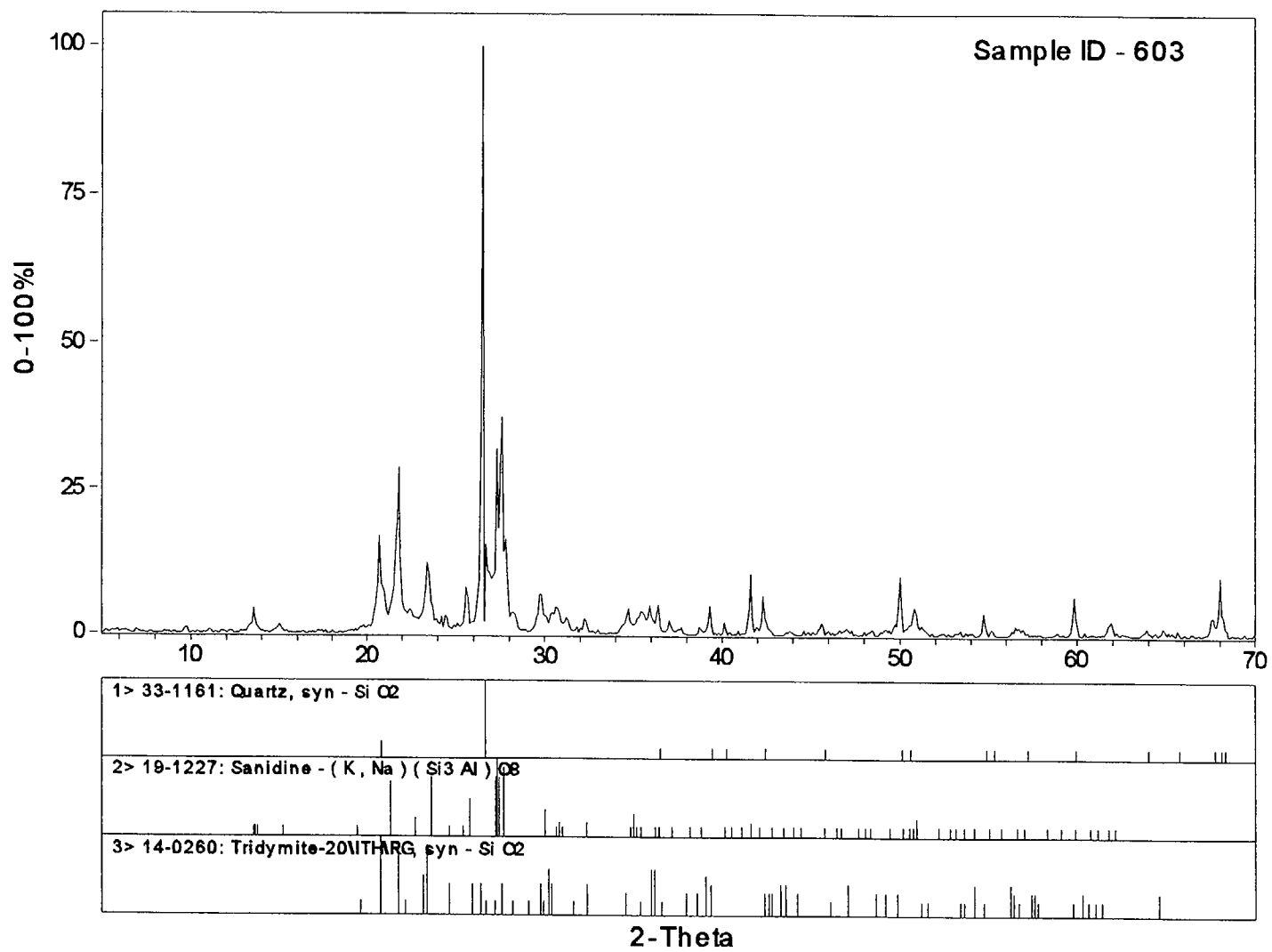
Peak Analysis
Sample ID - 584

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.86	8.9632	9.86	8.9632	34	65	4.3	11	1.5	0.152
13.691	6.4627	13.664	6.4754	4	141	9.3	58	7.9	0.37
15.154	5.8418	15.154	5.8417	3	53	3.5	15	2	0.255
19.819	4.4761	19.805	4.4792	45	44	2.9	12	1.6	0.245
20.901	4.2466	20.917	4.2436	78	407	26.8	181	24.6	0.4
21.887	4.0577	21.878	4.0592	102	1479	97.2	627	85.3	0.382
22.598	3.9315	22.598	3.9315	132	105	6.9	45	6.1	0.386
23.592	3.7682	23.589	3.7685	108	586	38.5	183	24.9	0.281
24.574	3.6197	24.574	3.6197	76	57	3.7	10	1.4	0.158
25.777	3.4534	25.777	3.4534	88	488	32.1	68	9.3	0.125
26.631	3.3446	26.629	3.3448	76	1434	94.3	346	47.1	0.217
27.696	3.2183	27.7	3.2179	63	1521	100	735	100	0.435
29.904	2.9855	29.916	2.9844	45	365	24	139	18.9	0.343
30.795	2.9012	30.788	2.9018	36	202	13.3	124	16.9	0.552
31.371	2.8492	31.371	2.8492	47	126	8.3	27	3.7	0.193
32.425	2.7589	32.425	2.7589	39	70	4.6	16	2.2	0.206
34.838	2.5732	34.834	2.5735	30	171	11.2	65	8.8	0.342
35.679	2.5144	35.686	2.5139	27	190	12.5	177	24.1	0.838
36.086	2.487	36.088	2.4868	20	213	14	93	12.7	0.393
36.559	2.4559	36.559	2.4559	65	99	6.5	17	2.3	0.155
37.207	2.4146	37.207	2.4146	34	44	2.9	7	1	0.143
37.627	2.3886	37.627	2.3886	25	64	4.2	11	1.5	0.155
39.416	2.2842	39.414	2.2843	3	123	8.1	32	4.4	0.234
40.261	2.2382	40.261	2.2382	11	65	4.3	11	1.5	0.152
41.709	2.1638	41.709	2.1638	8	142	9.3	48	6.5	0.304
42.415	2.1294	42.415	2.1294	9	104	6.8	27	3.7	0.234
45.768	1.9809	45.768	1.9809	15	28	1.8	4	0.5	0.129
47.259	1.9218	47.259	1.9218	18	32	2.1	5	0.7	0.141
48.528	1.8745	48.536	1.8742	4	67	4.4	17	2.3	0.228
50.112	1.8189	50.111	1.8189	2	223	14.7	63	8.6	0.254
50.99	1.7896	50.978	1.79	3	224	14.7	97	13.2	0.39
53.438	1.7132	53.444	1.7131	4	25	1.6	10	1.4	0.36
54.04	1.6956	54.04	1.6956	7	30	2	6	0.8	0.18
54.876	1.6717	54.876	1.6717	9	41	2.7	9	1.2	0.198
56.631	1.624	56.631	1.624	7	47	3.1	10	1.4	0.191
57.006	1.6142	57.006	1.6142	8	64	4.2	12	1.6	0.169
59.944	1.5419	59.944	1.5419	19	116	7.6	23	3.1	0.178
62.098	1.4935	62.089	1.4937	13	145	9.5	64	8.7	0.397
63.978	1.4541	63.978	1.4541	10	58	3.8	9	1.2	0.14
65.263	1.4285	65.263	1.4285	11	32	2.1	11	1.5	0.309
67.734	1.3823	67.734	1.3823	12	66	4.3	14	1.9	0.191
68.12	1.3754	68.092	1.3759	11	93	6.1	37	5	0.358



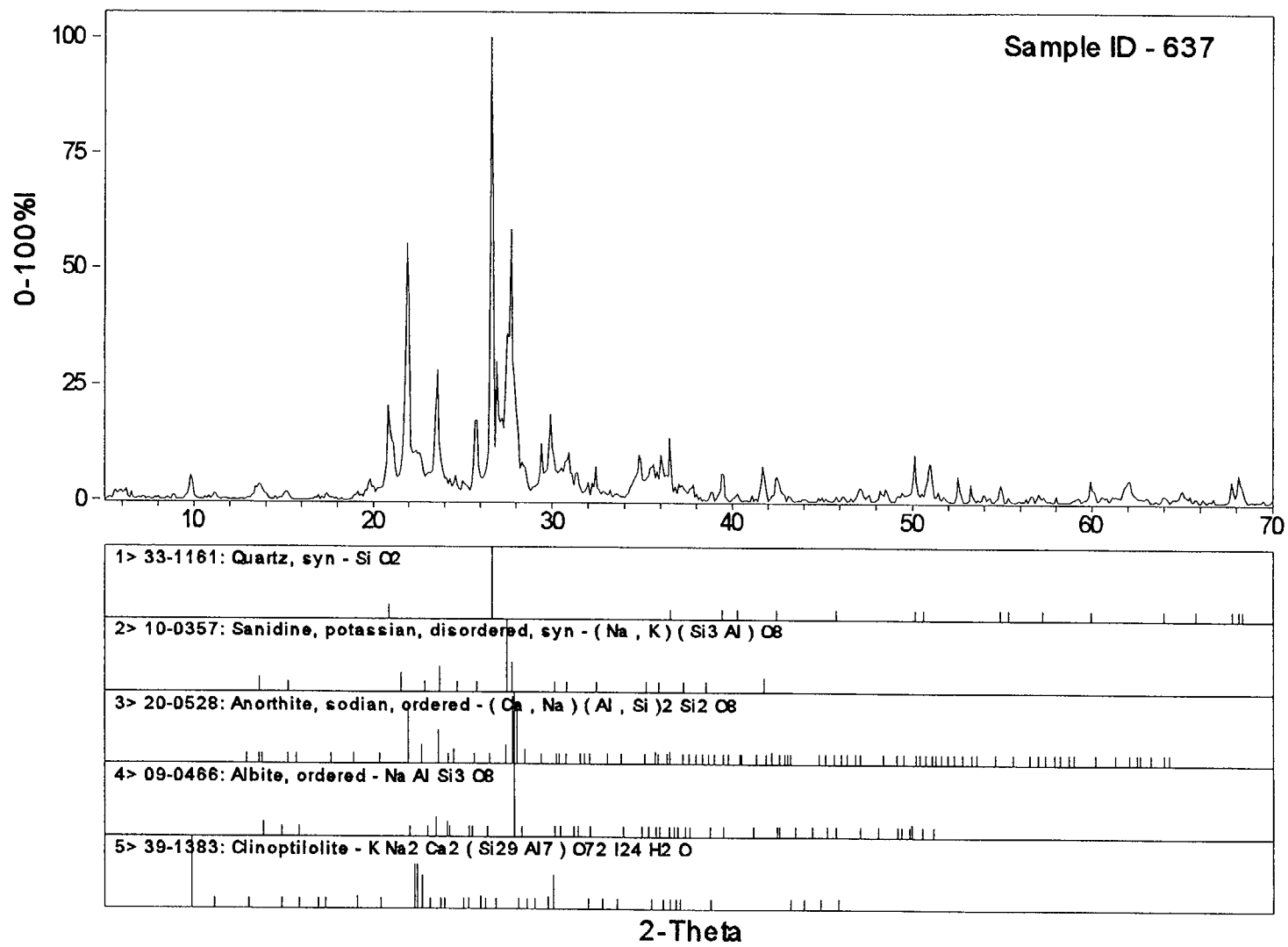
Peak Analysis
Sample ID - 602

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.844	8.9777	9.844	8.9777	12	29	0.7	5	0.7	0.155
13.611	6.5003	13.617	6.4978	6	135	3.3	55	7.7	0.367
15.121	5.8545	15.114	5.8571	5	51	1.3	15	2.1	0.265
19.743	4.4932	19.743	4.4932	41	36	0.9	6	0.8	0.15
20.812	4.2647	20.85	4.257	98	638	15.7	176	24.8	0.248
21.875	4.0599	21.851	4.0642	87	1322	32.5	446	62.7	0.304
23.584	3.7694	23.577	3.7704	92	525	12.9	166	23.3	0.285
25.751	3.4568	25.751	3.4568	75	277	6.8	54	7.6	0.175
26.6	3.3484	26.6	3.3484	49	4063	100	711	100	0.157
27.694	3.2186	27.678	3.2204	41	2131	52.4	697	98	0.294
29.885	2.9873	29.884	2.9875	7	299	7.4	132	18.6	0.397
30.794	2.9013	30.795	2.9012	10	208	5.1	82	11.5	0.355
32.386	2.7622	32.386	2.7622	13	73	1.8	15	2.1	0.185
34.809	2.5753	34.804	2.5756	40	126	3.1	37	5.2	0.264
35.512	2.5259	35.517	2.5255	25	174	4.3	91	12.8	0.471
36.006	2.4923	35.944	2.4965	10	207	5.1	116	16.3	0.504
36.468	2.4618	36.468	2.4618	28	284	7	51	7.2	0.162
37.72	2.3829	37.716	2.3832	26	46	1.1	15	2.1	0.293
39.399	2.2852	39.385	2.286	3	202	5	53	7.5	0.236
40.25	2.2388	40.25	2.2388	3	75	1.8	15	2.1	0.18
41.648	2.1668	41.648	2.1668	9	287	7.1	62	8.7	0.194
42.435	2.1284	42.427	2.1288	16	177	4.4	56	7.9	0.285
44.06	2.0536	44.06	2.0536	9	38	0.9	8	1.1	0.189
45.779	1.9804	45.779	1.9804	17	54	1.3	11	1.5	0.183
48.507	1.8752	48.487	1.876	4	30	0.7	9	1.3	0.27
50.116	1.8187	50.116	1.8187	98	816	20.1	109	15.3	0.12
50.932	1.7915	50.942	1.7912	68	127	3.1	37	5.2	0.262
53.392	1.7146	53.397	1.7145	5	44	1.1	13	1.8	0.266
54.868	1.6719	54.868	1.6719	19	77	1.9	17	2.4	0.199
56.591	1.625	56.593	1.625	5	68	1.7	22	3.1	0.291
59.173	1.5601	59.173	1.5601	7	37	0.9	7	1	0.17
61.929	1.4972	61.925	1.4972	6	86	2.1	32	4.5	0.335
64.003	1.4536	64.003	1.4536	18	71	1.7	13	1.8	0.165
67.721	1.3825	67.745	1.3821	5	178	4.4	49	6.9	0.248
68.119	1.3754	68.079	1.3761	8	200	4.9	79	11.1	0.355



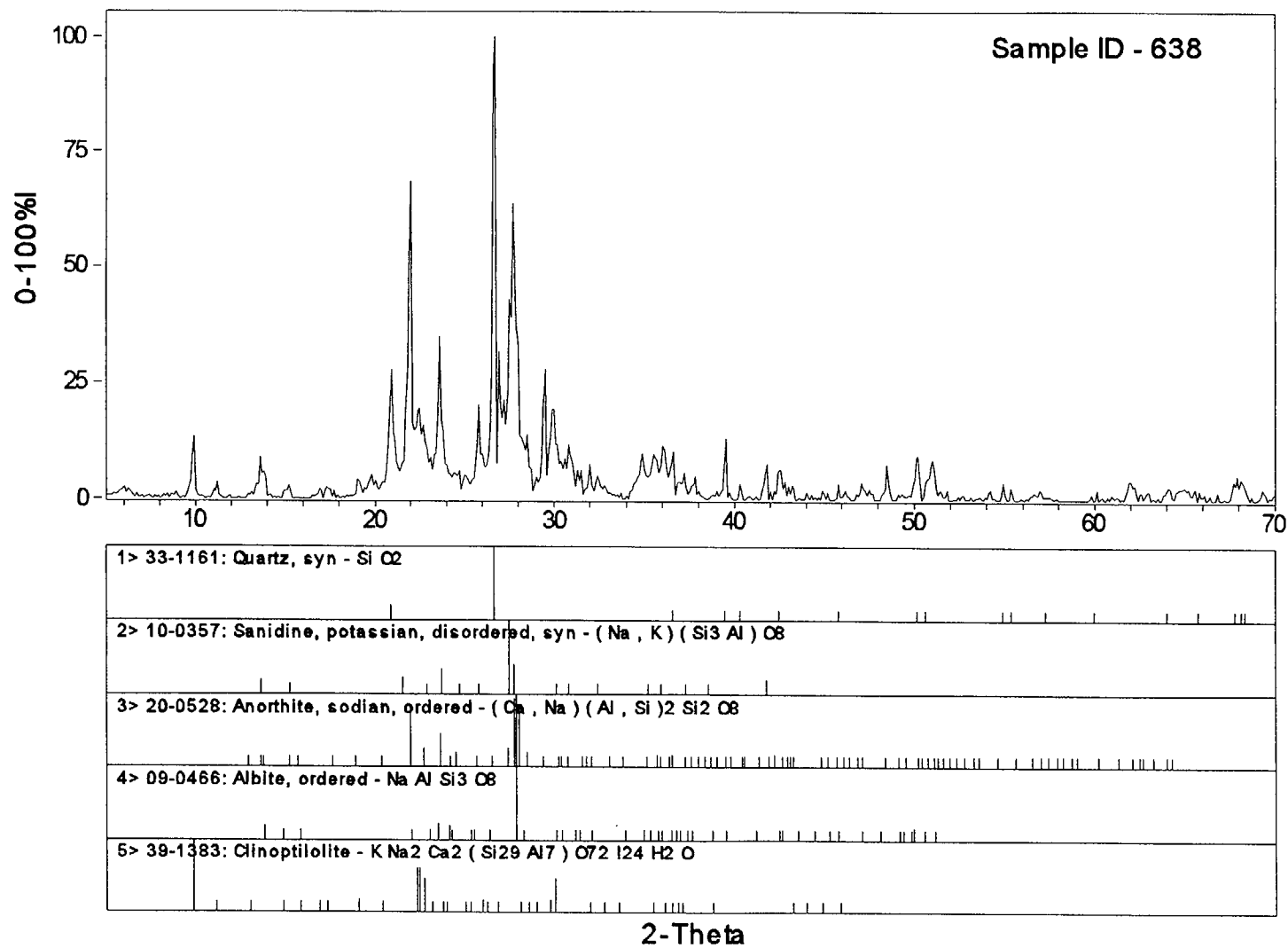
Peak Analysis
Sample ID - 603

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.71	9.1017	9.71	9.1017	11	37	0.8	9	1.1	0.219
13.506	6.5508	13.505	6.5514	9	203	4.3	60	7.5	0.266
14.982	5.9085	14.963	5.9159	8	68	1.4	22	2.7	0.291
20.713	4.2848	20.756	4.276	74	736	15.4	245	30.6	0.3
21.767	4.0797	21.741	4.0845	100	1278	26.8	430	53.7	0.303
23.419	3.7955	23.431	3.7936	111	484	10.2	157	19.6	0.292
24.447	3.6382	24.447	3.6382	103	47	1	9	1.1	0.172
25.613	3.4751	25.613	3.4751	137	254	5.3	49	6.1	0.174
26.478	3.3635	26.48	3.3633	58	4768	100	801	100	0.151
26.823	3.3211	26.81	3.3226	42	480	10.1	554	69.2	1.039
27.586	3.2309	27.588	3.2307	83	1721	36.1	614	76.7	0.321
29.721	3.0035	29.785	2.9972	26	306	6.4	136	17	0.4
30.607	2.9186	30.579	2.9211	33	192	4	111	13.9	0.52
32.244	2.774	32.244	2.774	34	93	2	17	2.1	0.165
34.69	2.5838	34.691	2.5837	19	196	4.1	85	10.6	0.39
35.412	2.5328	35.413	2.5327	19	172	3.6	131	16.4	0.685
35.9	2.4994	35.9	2.4994	7	236	4.9	98	12.2	0.374
36.354	2.4693	36.354	2.4693	46	206	4.3	39	4.9	0.17
37.04	2.4251	37.04	2.4251	26	90	1.9	16	2	0.16
38.735	2.3228	38.735	2.3228	9	54	1.1	10	1.2	0.167
39.273	2.2922	39.273	2.2922	24	219	4.6	38	4.7	0.156
40.128	2.2453	40.128	2.2453	17	85	1.8	12	1.5	0.127
41.579	2.1703	41.579	2.1703	12	497	10.4	92	11.5	0.167
42.326	2.1337	42.323	2.1338	10	314	6.6	84	10.5	0.241
45.579	1.9887	45.579	1.9887	24	75	1.6	16	2	0.192
48.397	1.8792	48.397	1.8792	9	31	0.7	8	1	0.232
49.984	1.8232	49.984	1.8232	11	481	10.1	96	12	0.18
50.799	1.7959	50.79	1.7962	12	219	4.6	108	13.5	0.444
53.377	1.7151	53.377	1.7151	8	36	0.8	5	0.6	0.125
54.715	1.6762	54.715	1.6762	14	170	3.6	27	3.4	0.143
56.656	1.6233	56.656	1.6233	7	60	1.3	16	2	0.24
59.819	1.5448	59.819	1.5448	3	320	6.7	71	8.9	0.2
61.848	1.4989	61.848	1.4989	9	114	2.4	33	4.1	0.261
63.89	1.4559	63.869	1.4563	9	54	1.1	12	1.5	0.2
67.599	1.3847	67.599	1.3847	9	144	3	53	6.6	0.331
68.012	1.3773	68.01	1.3773	12	478	10	121	15.1	0.228



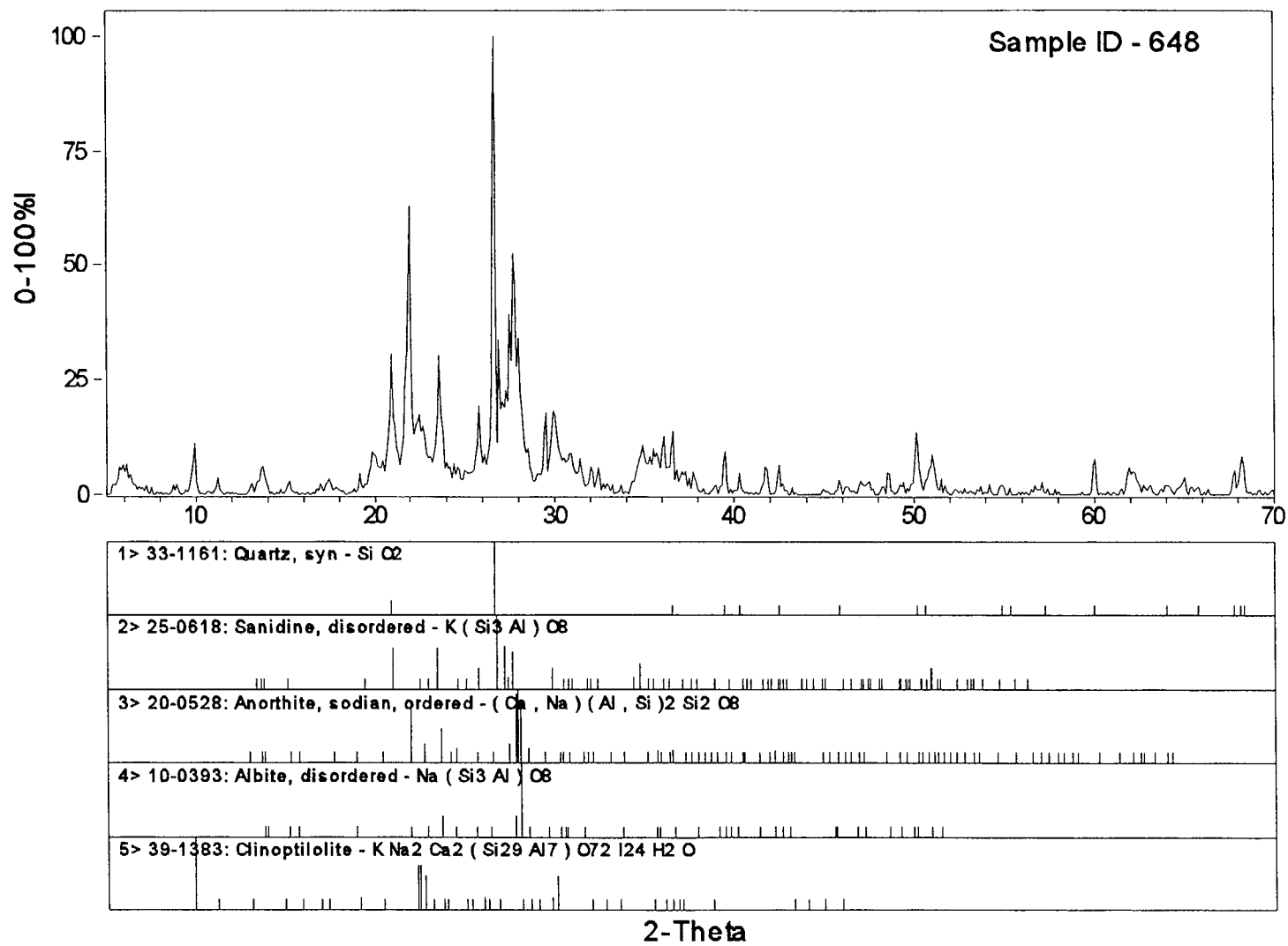
Peak Analysis
Sample ID - 637

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
6.133	14.4004	6.133	14.4004	5	57	2.3	14	2.3	0.221
8.853	9.9804	8.853	9.9804	9	17	0.7	3	0.5	0.159
9.811	9.008	9.799	9.0187	8	130	5.2	32	5.2	0.222
11.127	7.9452	11.127	7.9452	6	31	1.2	7	1.1	0.203
13.606	6.5027	13.613	6.4993	6	81	3.3	44	7.1	0.489
15.125	5.8529	15.125	5.8529	5	40	1.6	12	1.9	0.27
19.798	4.4807	19.798	4.4807	48	69	2.8	16	2.6	0.209
20.854	4.2561	20.893	4.2484	123	407	16.4	114	18.4	0.252
21.9	4.0551	21.919	4.0517	115	1321	53.1	494	79.9	0.337
22.595	3.932	22.595	3.932	116	151	6.1	54	8.7	0.322
23.583	3.7695	23.587	3.7689	120	614	24.7	155	25.1	0.227
25.033	3.5544	25.033	3.5544	75	33	1.3	5	0.8	0.136
25.749	3.4571	25.749	3.4571	116	330	13.3	82	13.3	0.224
26.617	3.3463	26.616	3.3464	94	2489	100	543	87.9	0.196
27.686	3.2195	27.683	3.2198	90	1425	57.3	618	100	0.39
29.418	3.0337	29.418	3.0338	81	240	9.6	50	8.1	0.188
29.911	2.9848	29.912	2.9848	59	425	17.1	220	35.6	0.466
30.87	2.8943	30.843	2.8968	78	194	7.8	72	11.7	0.334
31.357	2.8504	31.357	2.8504	123	35	1.4	6	1	0.154
34.802	2.5758	34.795	2.5763	49	211	8.5	100	16.2	0.427
35.498	2.5268	35.494	2.5271	51	138	5.5	107	17.3	0.698
36.012	2.4919	36.01	2.492	40	220	8.8	125	20.2	0.511
36.483	2.4609	36.483	2.4609	72	283	11.4	52	8.4	0.165
37.196	2.4153	37.196	2.4153	61	27	1.1	5	0.8	0.167
37.769	2.3799	37.769	2.3799	40	56	2.2	8	1.3	0.129
38.832	2.3172	38.832	2.3172	15	38	1.5	8	1.3	0.189
39.422	2.2839	39.426	2.2837	13	141	5.7	36	5.8	0.23
40.246	2.239	40.246	2.239	5	39	1.6	9	1.5	0.208
41.709	2.1638	41.709	2.1638	24	172	6.9	42	6.8	0.22
42.512	2.1248	42.512	2.1248	24	112	4.5	35	5.7	0.281
47.101	1.9279	47.098	1.928	14	62	2.5	21	3.4	0.305
48.508	1.8752	48.508	1.8752	7	68	2.7	16	2.6	0.212
50.098	1.8193	50.096	1.8194	7	260	10.4	81	13.1	0.28
50.924	1.7918	50.919	1.7919	5	210	8.4	91	14.7	0.39
52.531	1.7407	52.531	1.7407	13	132	5.3	23	3.7	0.157
53.236	1.7193	53.236	1.7193	7	94	3.8	14	2.3	0.134
54.879	1.6716	54.879	1.6716	14	84	3.4	19	3.1	0.204
57.02	1.6138	57.02	1.6138	17	32	1.3	6	1	0.169
59.952	1.5417	59.952	1.5417	13	113	4.5	26	4.2	0.207
61.994	1.4958	61.997	1.4957	13	109	4.4	59	9.5	0.487
64.002	1.4536	64.002	1.4536	8	30	1.2	9	1.5	0.27
64.998	1.4337	64.997	1.4337	9	63	2.5	22	3.6	0.314



Peak Analysis
Sample ID - 638

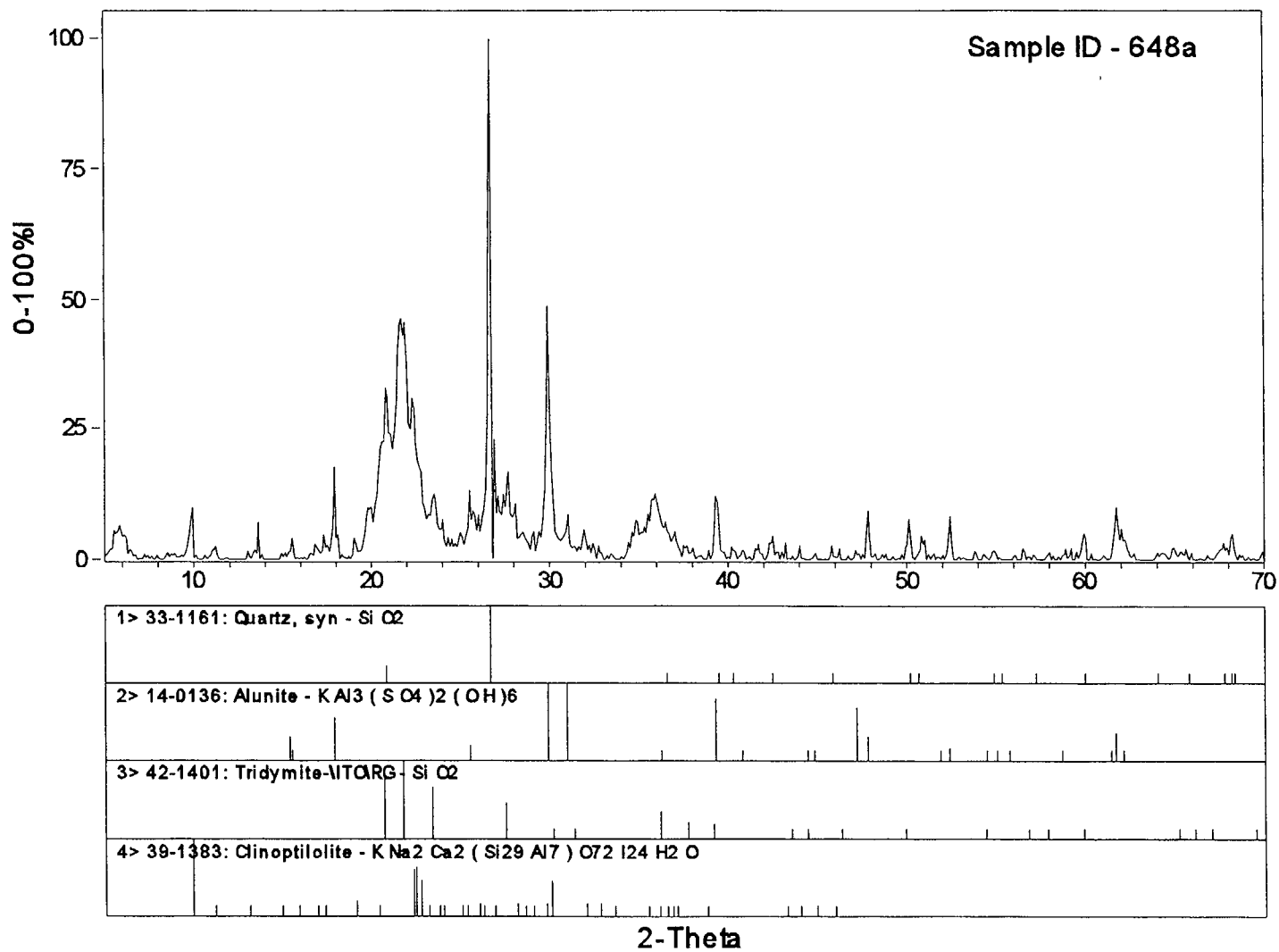
Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.897	9.9318	8.897	9.9318	7	20	1.1	3	0.5	0.135
9.851	8.9714	9.844	8.9781	7	248	13.7	59	10.1	0.214
11.186	7.9038	11.186	7.9038	4	66	3.6	11	1.9	0.15
13.611	6.5005	13.607	6.5025	7	163	9	50	8.5	0.276
15.151	5.8431	15.151	5.8431	9	50	2.8	12	2.1	0.216
17.353	5.1062	17.353	5.1062	20	19	1	8	1.4	0.379
19.044	4.6563	19.044	4.6563	29	50	2.8	9	1.5	0.162
19.784	4.4839	19.78	4.4849	39	60	3.3	17	2.9	0.255
20.888	4.2494	20.892	4.2485	108	420	23.2	117	20	0.251
21.956	4.045	21.959	4.0444	112	1191	65.7	352	60.2	0.266
22.492	3.9499	22.486	3.9508	90	279	15.4	181	30.9	0.584
23.62	3.7637	23.623	3.7631	136	527	29.1	118	20.2	0.202
25.048	3.5523	25.048	3.5523	73	23	1.3	4	0.7	0.157
25.797	3.4508	25.797	3.4508	132	251	13.8	46	7.9	0.165
26.663	3.3406	26.688	3.3376	84	1814	100	540	92.3	0.268
27.189	3.2772	27.175	3.2788	70	335	18.5	147	25.1	0.395
27.706	3.2172	27.715	3.2162	103	1111	61.2	585	100	0.474
29.463	3.0292	29.463	3.0292	77	454	25	77	13.2	0.153
29.915	2.9845	29.937	2.9823	66	301	16.6	148	25.3	0.443
30.811	2.8997	30.805	2.9002	63	159	8.8	62	10.6	0.351
31.987	2.7957	31.987	2.7957	51	92	5.1	13	2.2	0.127
32.802	2.7281	32.802	2.7281	33	26	1.4	4	0.7	0.138
34.886	2.5698	34.89	2.5694	40	149	8.2	75	12.8	0.453
35.526	2.5249	35.516	2.5256	58	128	7.1	74	12.6	0.52
36.022	2.4912	36.021	2.4913	73	148	8.2	46	7.9	0.28
36.56	2.4558	36.56	2.4558	43	154	8.5	26	4.4	0.152
37.774	2.3797	37.774	2.3797	38	56	3.1	8	1.4	0.129
39.474	2.281	39.455	2.2821	3	245	13.5	50	8.5	0.184
40.321	2.235	40.321	2.235	7	59	3.3	9	1.5	0.137
41.762	2.1612	41.762	2.1612	52	95	5.2	15	2.6	0.142
42.516	2.1245	42.516	2.1245	22	100	5.5	32	5.5	0.288
43.242	2.0905	43.242	2.0905	18	31	1.7	7	1.2	0.203
44.939	2.0155	44.939	2.0155	16	23	1.3	4	0.7	0.157
46.187	1.9639	46.159	1.965	4	37	2	9	1.5	0.219
47.133	1.9267	47.129	1.9268	9	62	3.4	18	3.1	0.261
48.498	1.8756	48.481	1.8762	9	134	7.4	29	5	0.195
50.152	1.8175	50.152	1.8175	31	148	8.2	41	7	0.249
50.979	1.7899	50.948	1.791	27	137	7.6	50	8.5	0.328
54.161	1.6921	54.161	1.6921	5	36	2	7	1.2	0.175
61.991	1.4958	61.996	1.4957	11	67	3.7	28	4.8	0.376
64.072	1.4522	64.072	1.4522	11	44	2.4	13	2.2	0.266
64.991	1.4338	64.938	1.4349	21	32	1.8	16	2.7	0.45



Peak Analysis
Sample ID - 648

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
5.889	14.9964	5.893	14.9852	5	110	6.5	74	16.5	0.605
8.9	9.9279	8.9	9.9279	4	35	2.1	6	1.3	0.154
9.857	8.9657	9.846	8.9764	7	191	11.4	44	9.8	0.207
11.179	7.9083	11.177	7.9099	4	61	3.6	12	2.7	0.177
13.685	6.4655	13.643	6.4853	10	99	5.9	40	8.9	0.366
15.171	5.8354	15.177	5.8329	6	46	2.7	10	2.2	0.196
17.376	5.0994	17.398	5.093	8	51	3	18	4	0.318
19.855	4.468	19.864	4.4661	81	81	4.8	24	5.3	0.267
20.901	4.2466	20.906	4.2458	118	420	25	113	25.2	0.242
21.952	4.0457	21.971	4.0422	137	966	57.4	315	70.2	0.293
22.495	3.9493	22.495	3.9493	108	197	11.7	120	26.7	0.548
23.615	3.7645	23.608	3.7656	124	410	24.4	98	21.8	0.215
24.641	3.61	24.641	3.61	82	23	1.4	4	0.9	0.157
25.784	3.4524	25.784	3.4524	120	218	13	38	8.5	0.157
26.668	3.34	26.68	3.3386	73	1682	100	449	100	0.24
27.104	3.2873	27.103	3.2874	71	285	16.9	169	37.6	0.534
27.711	3.2166	27.709	3.2168	96	828	49.2	337	75.1	0.366
29.471	3.0284	29.472	3.0283	68	244	14.5	52	11.6	0.192
29.924	2.9836	29.934	2.9826	53	266	15.8	161	35.9	0.545
30.868	2.8945	30.814	2.8994	51	107	6.4	54	12	0.454
32.021	2.7928	32.021	2.7928	34	74	4.4	15	3.3	0.182
32.426	2.7589	32.426	2.7589	48	56	3.3	9	2	0.145
34.891	2.5694	34.892	2.5693	28	161	9.6	95	21.2	0.531
35.529	2.5247	35.551	2.5232	32	143	8.5	47	10.5	0.296
36.09	2.4868	36.093	2.4865	12	211	12.5	96	21.4	0.409
36.566	2.4555	36.566	2.4555	101	142	8.4	22	4.9	0.139
38.93	2.3116	38.93	2.3116	15	12	0.7	4	0.9	0.3
39.469	2.2813	39.469	2.2813	18	147	8.7	30	6.7	0.184
40.313	2.2355	40.313	2.2355	11	74	4.4	10	2.2	0.122
41.724	2.1631	41.724	2.1631	11	95	5.6	26	5.8	0.246
42.473	2.1266	42.473	2.1266	12	102	6.1	20	4.5	0.176
45.807	1.9793	45.807	1.9793	14	43	2.6	7	1.6	0.147
47.047	1.93	47.047	1.93	13	41	2.4	11	2.4	0.241
48.55	1.8737	48.55	1.8737	31	52	3.1	10	2.2	0.173
50.128	1.8183	50.129	1.8183	4	236	14	76	16.9	0.29
50.99	1.7896	50.958	1.7906	12	144	8.6	57	12.7	0.356
54.857	1.6722	54.857	1.6722	9	29	1.7	9	2	0.279
56.9	1.6169	56.884	1.6173	9	11	0.7	6	1.3	0.491
59.957	1.5416	59.957	1.5416	9	129	7.7	26	5.8	0.181
61.901	1.4978	61.901	1.4978	15	90	5.4	24	5.3	0.24
63.057	1.4731	63.057	1.4731	5	31	1.8	8	1.8	0.232
64.027	1.4531	64.027	1.4531	8	28	1.7	11	2.4	0.354

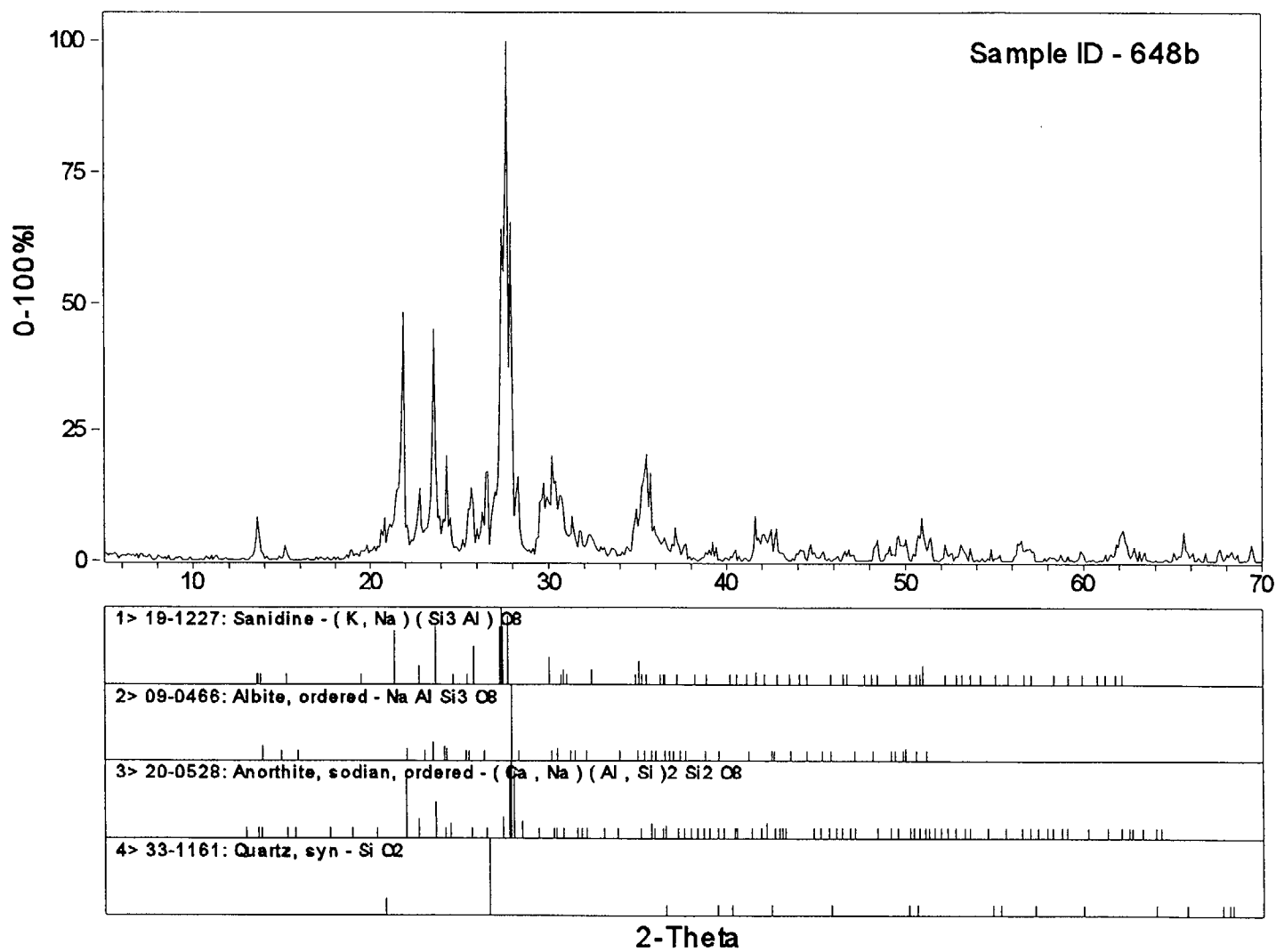
C-37



Peak Analysis

Sample ID -
648a

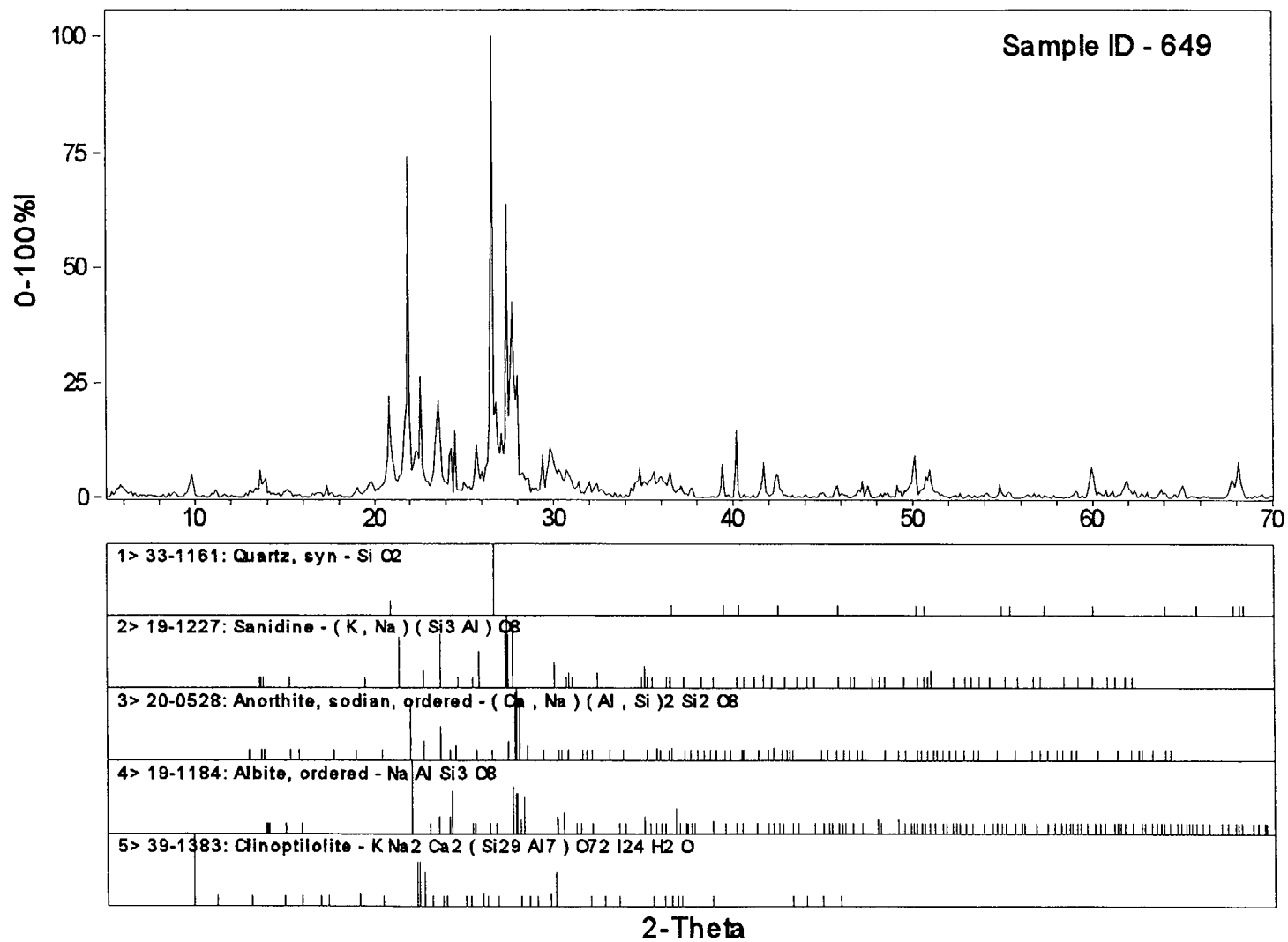
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
5.797	15.2345	5.781	15.2748	15	110	9.4	62	10.2	0.507
8.883	9.9465	8.883	9.9465	5	17	1.4	3	0.5	0.159
9.856	8.9671	9.856	8.9671	6	182	15.5	33	5.4	0.163
11.131	7.9423	11.131	7.9423	6	42	3.6	11	1.8	0.236
15.465	5.7251	15.465	5.7251	8	70	6	12	2	0.154
17.306	5.1199	17.306	5.1199	7	84	7.2	17	2.8	0.182
17.893	4.9532	17.884	4.9558	7	334	28.4	64	10.5	0.172
19.031	4.6595	19.031	4.6595	23	55	4.7	8	1.3	0.131
19.837	4.4719	19.837	4.4719	136	52	4.4	15	2.5	0.26
20.809	4.2653	20.811	4.2648	148	485	41.3	332	54.5	0.616
21.699	4.0923	21.717	4.0889	165	724	61.7	609	100	0.757
22.305	3.9825	22.303	3.9829	155	439	37.4	331	54.4	0.679
23.506	3.7817	23.506	3.7817	137	105	8.9	28	4.6	0.24
26.657	3.3413	26.657	3.3413	752	1174	100	204	33.5	0.156
29.911	2.9848	29.923	2.9837	59	880	75	266	43.7	0.272
30.954	2.8866	30.96	2.8861	39	126	10.7	36	5.9	0.257
31.914	2.8019	31.914	2.8019	33	78	6.6	17	2.8	0.196
34.812	2.575	34.827	2.5739	28	116	9.9	62	10.2	0.481
35.89	2.5001	35.899	2.4995	20	225	19.2	179	29.4	0.716
39.355	2.2876	39.355	2.2876	17	217	18.5	60	9.9	0.249
40.834	2.2081	40.834	2.2081	12	23	2	4	0.7	0.157
41.692	2.1646	41.692	2.1646	11	46	3.9	11	1.8	0.215
42.461	2.1272	42.461	2.1272	14	73	6.2	12	2	0.148
47.259	1.9218	47.259	1.9218	4	19	1.6	3	0.5	0.142
47.8	1.9013	47.8	1.9013	6	172	14.7	34	5.6	0.178
50.089	1.8196	50.089	1.8196	15	136	11.6	26	4.3	0.172
50.814	1.7954	50.814	1.7954	21	67	5.7	13	2.1	0.175
52.386	1.7451	52.386	1.7451	16	144	12.3	24	3.9	0.15
54.871	1.6718	54.871	1.6718	8	24	2	7	1.1	0.262
56.535	1.6265	56.535	1.6265	10	19	1.6	5	0.8	0.237
59.896	1.543	59.896	1.543	22	75	6.4	19	3.1	0.228
61.713	1.5019	61.713	1.5019	5	187	15.9	52	8.5	0.25
64.304	1.4475	64.304	1.4475	6	19	1.6	7	1.1	0.332
67.696	1.383	67.681	1.3832	7	56	4.8	24	3.9	0.386
68.178	1.3744	68.178	1.3744	11	84	7.2	20	3.3	0.214



Peak Analysis

Sample ID -
648b

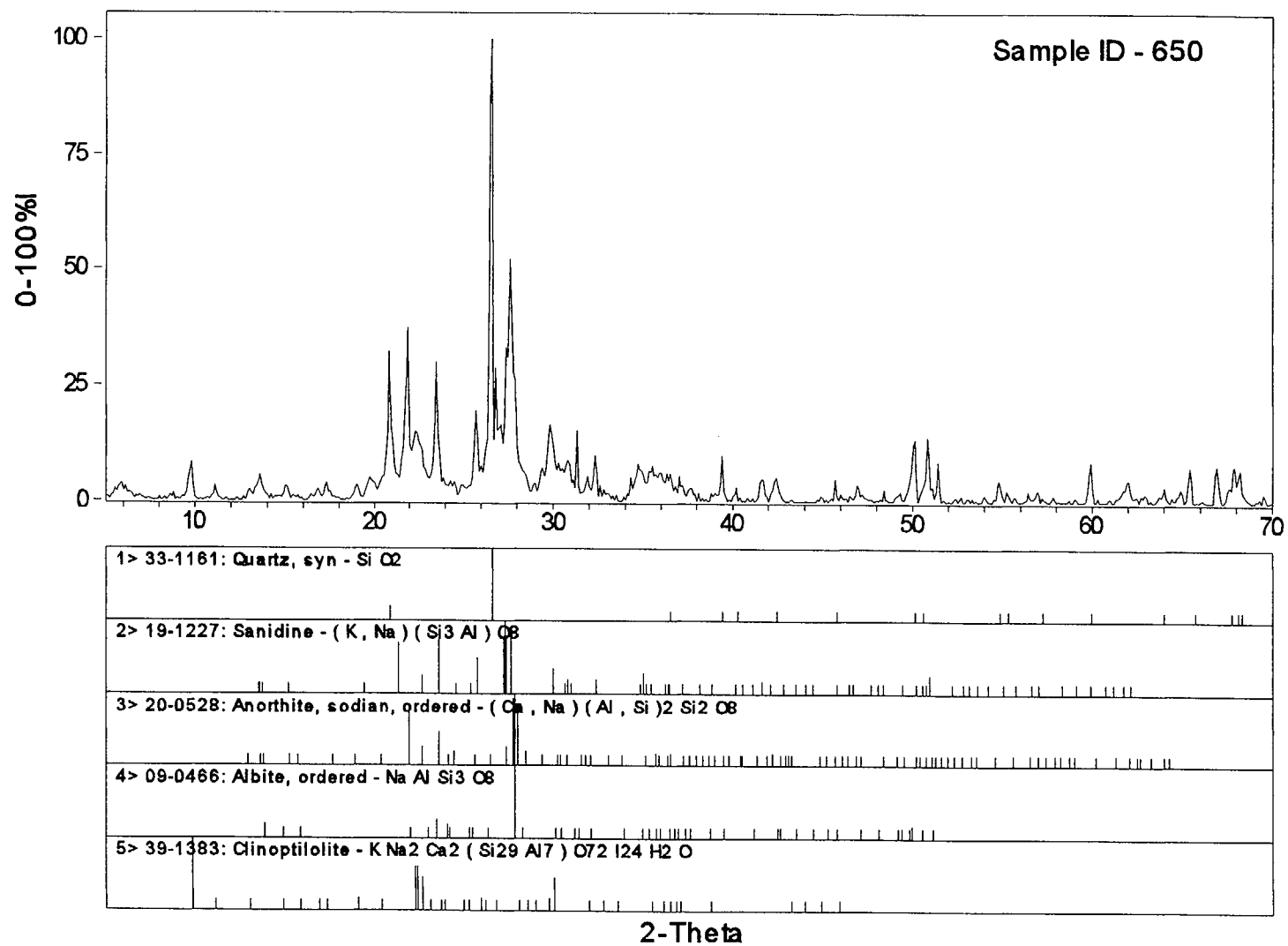
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position					Area	%	FWHM
2Theta	d	2Theta	d	counts	counts	%			
13.601	6.5054	13.596	6.5074	2	159	11.9	44	6.2	0.249
15.134	5.8496	15.134	5.8496	5	51	3.8	9	1.3	0.159
18.857	4.7023	18.857	4.7023	19	21	1.6	4	0.6	0.171
20.634	4.301	20.634	4.301	57	59	4.4	9	1.3	0.137
21.875	4.0598	21.852	4.064	81	843	62.9	226	31.8	0.241
22.775	3.9013	22.776	3.9011	80	187	13.9	42	5.9	0.202
23.584	3.7694	23.585	3.7692	64	797	59.4	223	31.4	0.252
24.297	3.6603	24.297	3.6603	50	339	25.3	51	7.2	0.135
25.702	3.4633	25.702	3.4633	99	170	12.7	37	5.2	0.196
26.549	3.3547	26.549	3.3547	166	159	11.9	31	4.4	0.175
27.616	3.2274	27.627	3.2262	135	1341	100	710	100	0.477
28.247	3.1568	28.247	3.1568	97	213	15.9	44	6.2	0.186
29.696	3.006	29.766	2.9991	55	232	17.3	122	17.2	0.473
30.207	2.9563	30.195	2.9574	62	328	24.5	218	30.7	0.598
30.677	2.912	30.682	2.9116	46	193	14.4	97	13.7	0.452
31.299	2.8556	31.299	2.8556	42	123	9.2	35	4.9	0.256
32.32	2.7676	32.32	2.7676	50	48	3.6	17	2.4	0.319
33.535	2.6701	33.535	2.6701	25	24	1.8	4	0.6	0.15
34.897	2.5689	34.897	2.5689	34	158	11.8	52	7.3	0.296
35.396	2.5339	35.386	2.5346	32	304	22.7	185	26.1	0.548
37.116	2.4203	37.116	2.4203	36	89	6.6	19	2.7	0.192
37.661	2.3865	37.661	2.3865	24	41	3.1	7	1	0.154
40.461	2.2276	40.461	2.2276	18	23	1.7	4	0.6	0.157
41.61	2.1687	41.61	2.1687	5	161	12	29	4.1	0.162
42.484	2.1261	42.49	2.1258	4	115	8.6	67	9.4	0.524
44.107	2.0515	44.119	2.051	4	39	2.9	17	2.4	0.392
45.362	1.9976	45.362	1.9976	5	31	2.3	6	0.8	0.174
46.798	1.9396	46.798	1.9396	8	37	2.8	6	0.8	0.146
48.339	1.8813	48.339	1.8813	11	68	5.1	16	2.3	0.212
49.616	1.8359	49.611	1.8361	5	92	6.9	43	6.1	0.421
50.904	1.7924	50.889	1.7929	11	151	11.3	52	7.3	0.31
51.341	1.7782	51.341	1.7782	10	80	6	19	2.7	0.214
52.242	1.7496	52.242	1.7496	10	22	1.6	9	1.3	0.368
53.142	1.7221	53.142	1.7221	14	49	3.7	13	1.8	0.239
56.465	1.6284	56.471	1.6282	9	69	5.1	29	4.1	0.378
59.848	1.5441	59.848	1.5441	5	35	2.6	9	1.3	0.231
62.174	1.4919	62.156	1.4922	17	99	7.4	40	5.6	0.364
65.61	1.4218	65.608	1.4218	3	107	8	28	3.9	0.236
67.59	1.3849	67.59	1.3849	12	36	2.7	7	1	0.175
69.391	1.3533	69.391	1.3533	3	60	4.5	12	1.7	0.18



Peak Analysis

Sample ID - 649

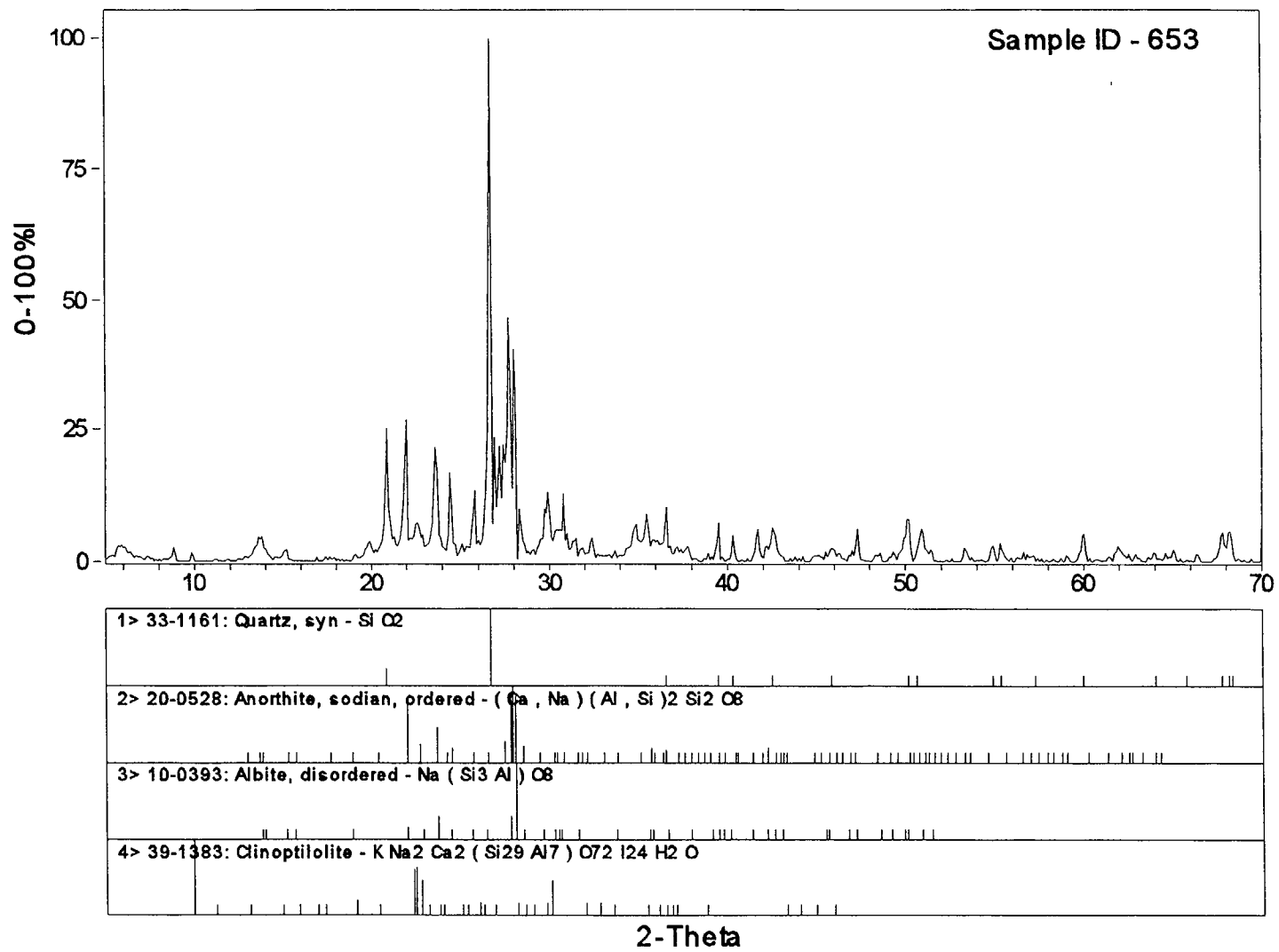
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
5.797	15.2326	5.809	15.2012	7	76	2.5	38	6.1	0.45
8.812	10.0269	8.812	10.0269	6	30	1	8	1.3	0.24
9.771	9.0444	9.744	9.0699	4	158	5.3	45	7.2	0.256
11.118	7.9522	11.118	7.9522	11	40	1.3	8	1.3	0.18
13.608	6.5018	13.598	6.5065	8	179	6	63	10.1	0.317
13.879	6.3756	13.88	6.3753	9	125	4.2	41	6.6	0.295
15.097	5.8637	15.097	5.8637	18	37	1.2	11	1.8	0.268
18.99	4.6697	18.99	4.6697	20	49	1.6	8	1.3	0.147
19.738	4.4942	19.738	4.4942	50	58	1.9	17	2.7	0.264
20.818	4.2634	20.835	4.26	104	587	19.5	133	21.3	0.204
21.882	4.0585	21.914	4.0526	84	2217	73.8	498	79.8	0.202
23.555	3.7739	23.555	3.7739	167	493	16.4	125	20	0.228
24.266	3.6649	24.266	3.6649	247	39	1.3	12	1.9	0.277
26.585	3.3502	26.598	3.3487	102	3004	100	624	100	0.187
27.405	3.2518	27.405	3.2518	74	1910	63.6	314	50.3	0.148
27.705	3.2173	27.719	3.2157	110	1223	40.7	410	65.7	0.302
29.373	3.0383	29.373	3.0383	73	218	7.3	30	4.8	0.124
29.829	2.9929	29.862	2.9896	63	274	9.1	107	17.1	0.351
30.721	2.908	30.714	2.9086	53	135	4.5	66	10.6	0.44
31.967	2.7974	31.967	2.7974	36	76	2.5	11	1.8	0.13
34.792	2.5765	34.829	2.5738	18	188	6.3	80	12.8	0.383
35.589	2.5205	35.617	2.5186	19	160	5.3	160	25.6	0.9
36.473	2.4615	36.473	2.4615	63	113	3.8	22	3.5	0.175
37.062	2.4237	37.062	2.4237	34	50	1.7	9	1.4	0.162
39.38	2.2862	39.38	2.2862	3	230	7.7	36	5.8	0.141
40.18	2.2426	40.18	2.2426	40	420	14	58	9.3	0.124
41.668	2.1658	41.659	2.1663	9	235	7.8	46	7.4	0.176
42.423	2.129	42.441	2.1282	8	157	5.2	53	8.5	0.304
45.76	1.9812	45.76	1.9812	9	78	2.6	13	2.1	0.15
47.483	1.9133	47.483	1.9133	3	82	2.7	15	2.4	0.165
50.065	1.8205	50.065	1.8205	23	271	9	64	10.3	0.213
50.901	1.7925	50.883	1.7931	14	184	6.1	72	11.5	0.352
54.088	1.6942	54.088	1.6942	5	31	1	7	1.1	0.203
54.813	1.6735	54.818	1.6733	5	91	3	16	2.6	0.158
56.379	1.6306	56.379	1.6306	4	16	0.5	5	0.8	0.281
59.035	1.5635	59.035	1.5635	12	35	1.2	7	1.1	0.18
59.905	1.5428	59.909	1.5427	11	201	6.7	56	9	0.251
61.888	1.4981	61.885	1.4981	17	103	3.4	34	5.4	0.297
63.792	1.4579	63.792	1.4579	7	59	2	12	1.9	0.183
64.986	1.4339	64.986	1.4339	17	71	2.4	15	2.4	0.19
67.726	1.3824	67.725	1.3824	6	122	4.1	40	6.4	0.295
68.09	1.3759	68.09	1.3759	8	244	8.1	64	10.3	0.236



Peak Analysis
Sample ID - 650

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
5.889	14.9952	5.904	14.957	13	72	3.3	46	6.2	0.575
9.75	9.0639	9.736	9.0768	8	184	8.4	51	6.9	0.249
11.1	7.9647	11.111	7.9567	5	71	3.3	16	2.2	0.203
13.581	6.5148	13.552	6.5287	12	116	5.3	46	6.2	0.357
15.053	5.8809	15.053	5.8809	13	60	2.8	17	2.3	0.255
16.799	5.2732	16.8	5.2731	3	56	2.6	25	3.4	0.402
17.301	5.1215	17.299	5.1221	4	85	3.9	33	4.4	0.349
18.968	4.6751	18.968	4.6751	17	62	2.8	16	2.2	0.232
19.716	4.4993	19.747	4.4923	54	61	2.8	21	2.8	0.31
20.807	4.2658	20.801	4.2669	108	619	28.4	145	19.5	0.211
21.864	4.0618	21.872	4.0603	104	736	33.8	239	32.2	0.292
22.313	3.981	22.307	3.9821	86	251	11.5	219	29.5	0.785
23.503	3.7822	23.5	3.7826	99	576	26.4	131	17.7	0.205
24.957	3.5649	24.957	3.5649	58	21	1	5	0.7	0.214
25.709	3.4624	25.709	3.4624	143	297	13.6	56	7.5	0.17
26.57	3.3521	26.601	3.3483	64	2178	100	742	100	0.307
27.606	3.2286	27.62	3.227	112	1063	48.8	536	72.2	0.454
29.822	2.9936	29.828	2.9929	67	306	14	160	21.6	0.471
30.774	2.9031	30.774	2.9031	78	123	5.6	40	5.4	0.293
32.303	2.7691	32.303	2.7691	33	194	8.9	39	5.3	0.181
34.718	2.5818	34.752	2.5794	29	156	7.2	92	12.4	0.531
35.491	2.5273	35.5	2.5267	24	153	7	113	15.2	0.665
36.325	2.4712	36.325	2.4712	59	81	3.7	17	2.3	0.189
37.654	2.387	37.654	2.387	34	33	1.5	6	0.8	0.164
39.384	2.286	39.368	2.2869	12	215	9.9	40	5.4	0.167
40.171	2.243	40.171	2.243	11	62	2.8	9	1.2	0.131
41.608	2.1688	41.616	2.1684	16	94	4.3	29	3.9	0.278
42.397	2.1303	42.401	2.1301	15	107	4.9	37	5	0.311
46.945	1.9339	46.945	1.9339	13	71	3.3	16	2.2	0.203
49.262	1.8483	49.262	1.8483	21	26	1.2	4	0.5	0.138
50.042	1.8212	50.042	1.8212	46	257	11.8	67	9	0.235
50.812	1.7954	50.812	1.7955	41	274	12.6	60	8.1	0.197
51.403	1.7762	51.403	1.7762	27	169	7.8	23	3.1	0.122
53.986	1.6971	53.986	1.6971	1	32	1.5	6	0.8	0.169
54.802	1.6738	54.802	1.6738	9	99	4.5	25	3.4	0.227
56.417	1.6296	56.416	1.6297	2	50	2.3	10	1.3	0.18
56.943	1.6158	56.943	1.6158	3	41	1.9	10	1.3	0.22
59.865	1.5437	59.865	1.5437	20	177	8.1	38	5.1	0.193
61.954	1.4966	61.954	1.4966	15	95	4.4	28	3.8	0.265
63.955	1.4545	63.955	1.4545	10	69	3.2	14	1.9	0.183
65.402	1.4258	65.402	1.4258	12	158	7.3	32	4.3	0.182
66.908	1.3973	66.908	1.3973	34	146	6.7	36	4.9	0.222

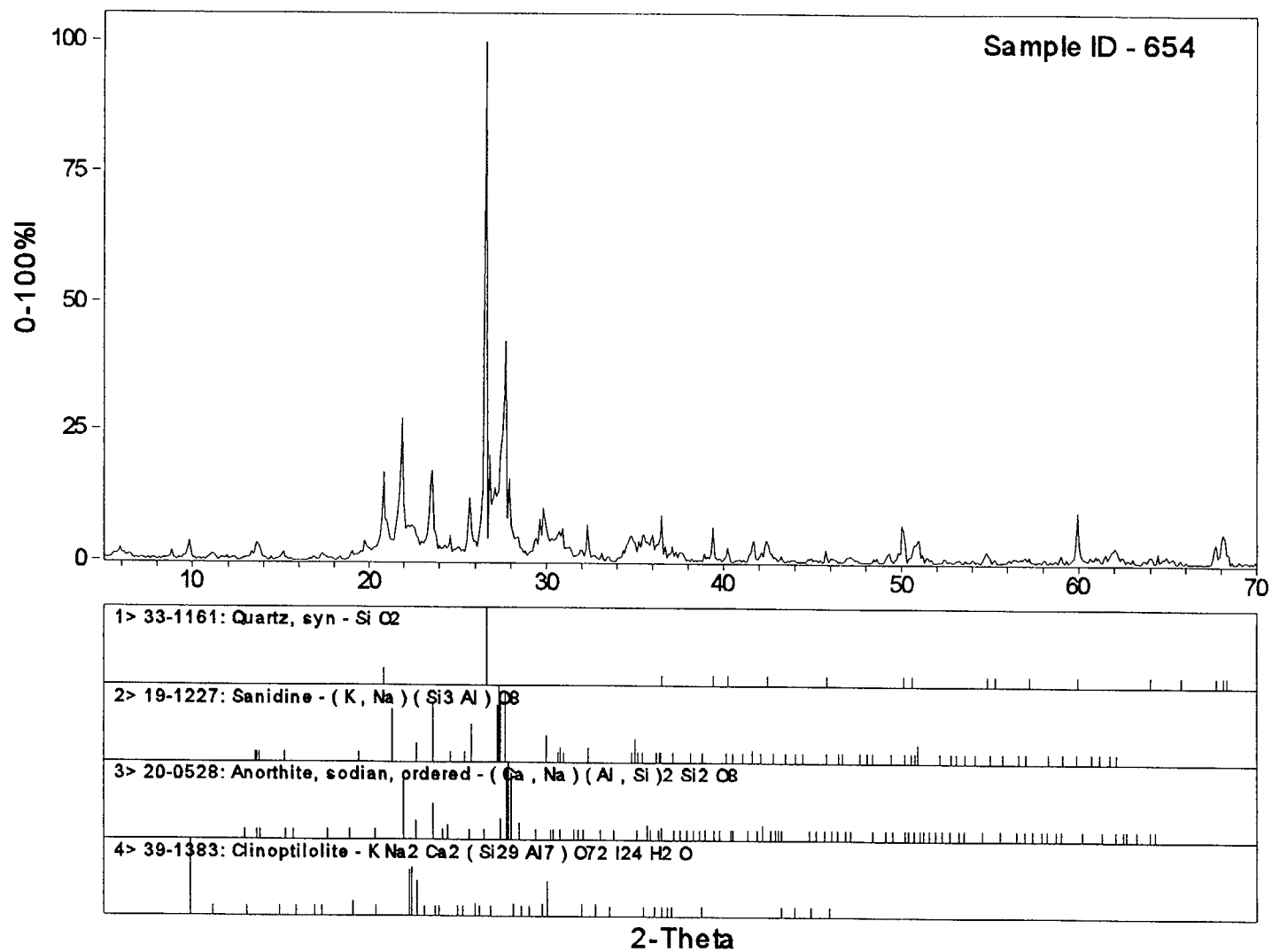
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Peak Analysis
Sample ID - 653

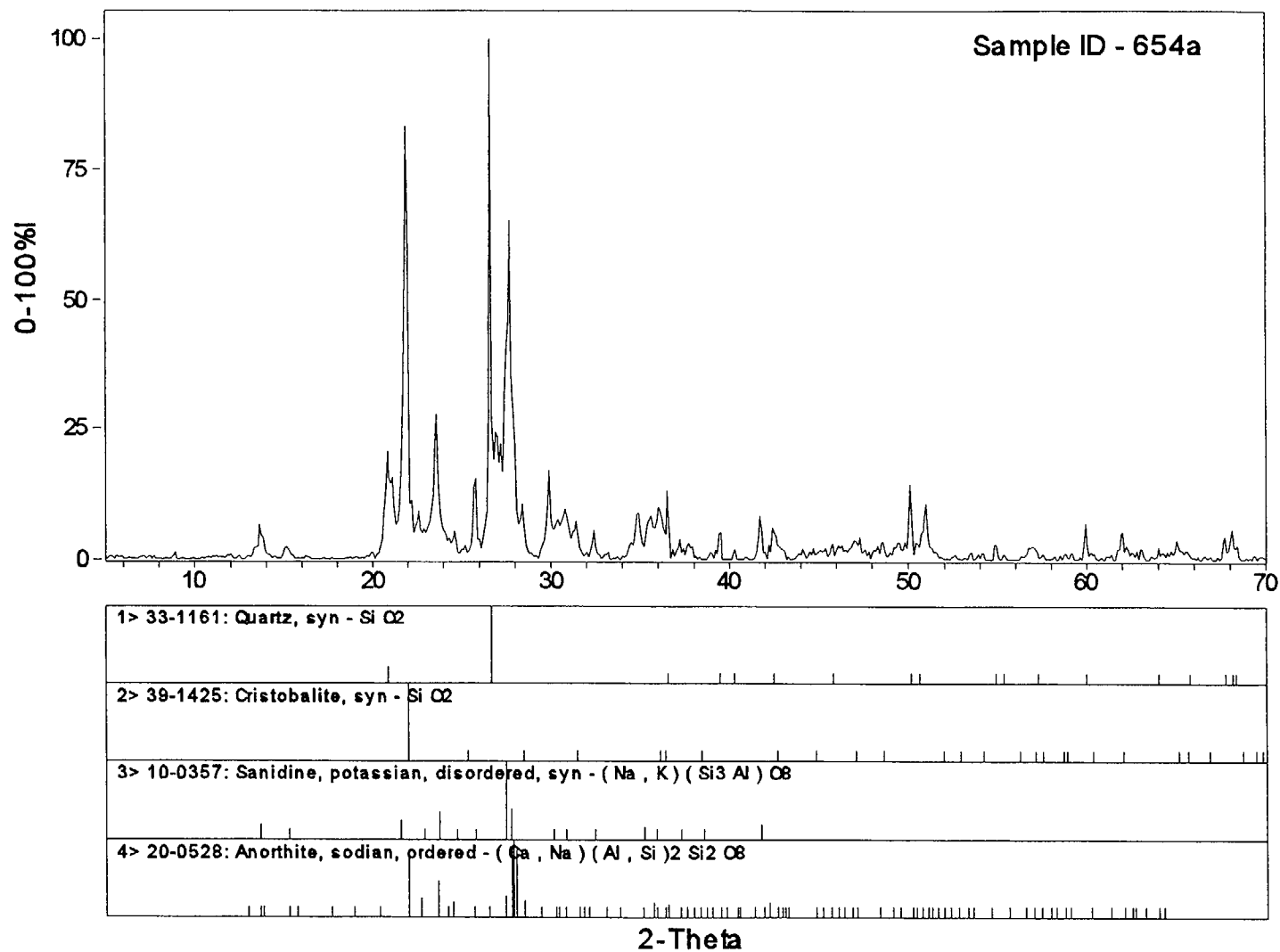
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
5.893	14.9859	5.907	14.9501	17	78	2.8	48	10.2	0.554
8.786	10.057	8.786	10.057	4	80	2.9	16	3.4	0.18
13.789	6.4172	13.791	6.4158	5	140	5	64	13.6	0.411
15.156	5.8413	15.156	5.8413	12	58	2.1	11	2.3	0.171
19.062	4.6521	19.062	4.6521	25	18	0.6	3	0.6	0.15
19.844	4.4705	19.844	4.4705	59	58	2.1	15	3.2	0.233
20.887	4.2495	20.884	4.2501	83	698	24.9	175	37.2	0.226
21.973	4.0419	21.963	4.0437	96	733	26.1	194	41.2	0.238
22.586	3.9336	22.588	3.9333	102	123	4.4	48	10.2	0.351
23.596	3.7675	23.597	3.7673	96	575	20.5	165	35	0.258
24.429	3.6409	24.429	3.6409	87	433	15.4	76	16.1	0.158
25.765	3.4549	25.765	3.4549	104	313	11.2	48	10.2	0.138
26.66	3.3411	26.66	3.3411	278	2804	100	471	100	0.151
27.695	3.2184	27.695	3.2184	368	1067	38.1	248	52.7	0.209
28.041	3.1795	28.041	3.1795	431	588	21	142	30.1	0.217
30.793	2.9014	30.754	2.905	55	341	12.2	153	32.5	0.404
31.468	2.8406	31.468	2.8406	92	45	1.6	7	1.5	0.14
32.383	2.7624	32.383	2.7624	60	79	2.8	15	3.2	0.171
34.87	2.5709	34.886	2.5698	45	175	6.2	93	19.7	0.478
35.484	2.5278	35.492	2.5272	47	230	8.2	112	23.8	0.438
36.569	2.4552	36.569	2.4552	92	224	8	32	6.8	0.129
37.758	2.3807	37.758	2.3807	27	61	2.2	15	3.2	0.221
39.471	2.2812	39.471	2.2812	8	220	7.8	32	6.8	0.131
40.298	2.2362	40.289	2.2367	6	149	5.3	27	5.7	0.163
41.668	2.1658	41.664	2.166	9	181	6.5	49	10.4	0.244
42.534	2.1237	42.53	2.1239	11	191	6.8	90	19.1	0.424
45.086	2.0092	45.048	2.0109	6	33	1.2	17	3.6	0.464
45.835	1.9781	45.828	1.9784	3	75	2.7	37	7.9	0.444
47.275	1.9212	47.276	1.9211	12	183	6.5	35	7.4	0.172
49.274	1.8478	49.274	1.8478	12	47	1.7	11	2.3	0.211
50.099	1.8193	50.079	1.82	4	246	8.8	91	19.3	0.333
50.898	1.7926	50.915	1.792	4	189	6.7	84	17.8	0.4
53.346	1.716	53.346	1.716	4	78	2.8	19	4	0.219
54.859	1.6722	54.859	1.6722	5	92	3.3	24	5.1	0.235
55.356	1.6583	55.356	1.6583	7	104	3.7	21	4.5	0.182
57.154	1.6104	57.154	1.6104	7	29	1	5	1.1	0.155
59.945	1.5419	59.945	1.5419	21	143	5.1	36	7.6	0.227
61.919	1.4974	61.948	1.4967	21	70	2.5	25	5.3	0.321
63.921	1.4552	63.938	1.4549	10	45	1.6	14	3	0.28
64.986	1.4339	64.986	1.4339	10	58	2.1	14	3	0.217
66.371	1.4073	66.371	1.4073	12	33	1.2	7	1.5	0.191
67.79	1.3813	67.792	1.3812	7	169	6	67	14.2	0.357

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Peak Analysis
Sample ID - 654

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
6.385	13.8318	6.385	13.8318	12	27	0.7	9	1.3	0.3
9.78	9.0362	9.768	9.0478	8	126	3.5	29	4	0.207
13.622	6.4954	13.611	6.5006	5	117	3.2	50	7	0.385
15.074	5.8727	15.057	5.8793	6	51	1.4	11	1.5	0.194
19.738	4.4942	19.738	4.4942	58	80	2.2	13	1.8	0.146
20.811	4.2649	20.821	4.2629	128	496	13.7	110	15.3	0.2
21.867	4.0612	21.877	4.0594	95	917	25.3	301	42	0.295
22.473	3.9532	22.476	3.9527	120	117	3.2	57	7.9	0.438
23.549	3.7749	23.538	3.7766	118	519	14.3	140	19.5	0.243
25.678	3.4665	25.678	3.4665	129	314	8.7	55	7.7	0.158
26.571	3.352	26.578	3.3511	89	3627	100	717	100	0.178
27.1	3.2877	27.1	3.2877	72	451	12.4	250	34.9	0.499
27.68	3.2201	27.624	3.2266	89	1482	40.9	626	87.3	0.38
29.812	2.9946	29.816	2.9942	49	322	8.9	159	22.2	0.444
30.883	2.8931	30.89	2.8925	35	193	5.3	83	11.6	0.387
34.794	2.5763	34.774	2.5778	24	152	4.2	86	12	0.509
35.502	2.5266	35.501	2.5266	38	153	4.2	76	10.6	0.447
36.473	2.4615	36.473	2.4615	66	262	7.2	36	5	0.124
37.618	2.3891	37.618	2.3891	32	29	0.8	9	1.3	0.279
40.206	2.2412	40.206	2.2412	16	85	2.3	15	2.1	0.159
41.637	2.1674	41.637	2.1674	14	133	3.7	30	4.2	0.203
42.414	2.1294	42.404	2.1299	11	140	3.9	56	7.8	0.36
49.245	1.8489	49.245	1.8489	12	55	1.5	12	1.7	0.196
50.026	1.8218	50.026	1.8218	41	219	6	60	8.4	0.247
50.873	1.7934	50.876	1.7933	38	114	3.1	46	6.4	0.363
54.797	1.6739	54.797	1.6739	14	66	1.8	18	2.5	0.245
59.903	1.5429	59.91	1.5427	15	341	9.4	67	9.3	0.177
61.983	1.496	61.971	1.4963	15	96	2.6	42	5.9	0.394
63.997	1.4537	63.997	1.4537	8	41	1.1	11	1.5	0.241
67.677	1.3833	67.677	1.3833	14	131	3.6	33	4.6	0.227
68.103	1.3757	68.108	1.3756	22	192	5.3	66	9.2	0.309

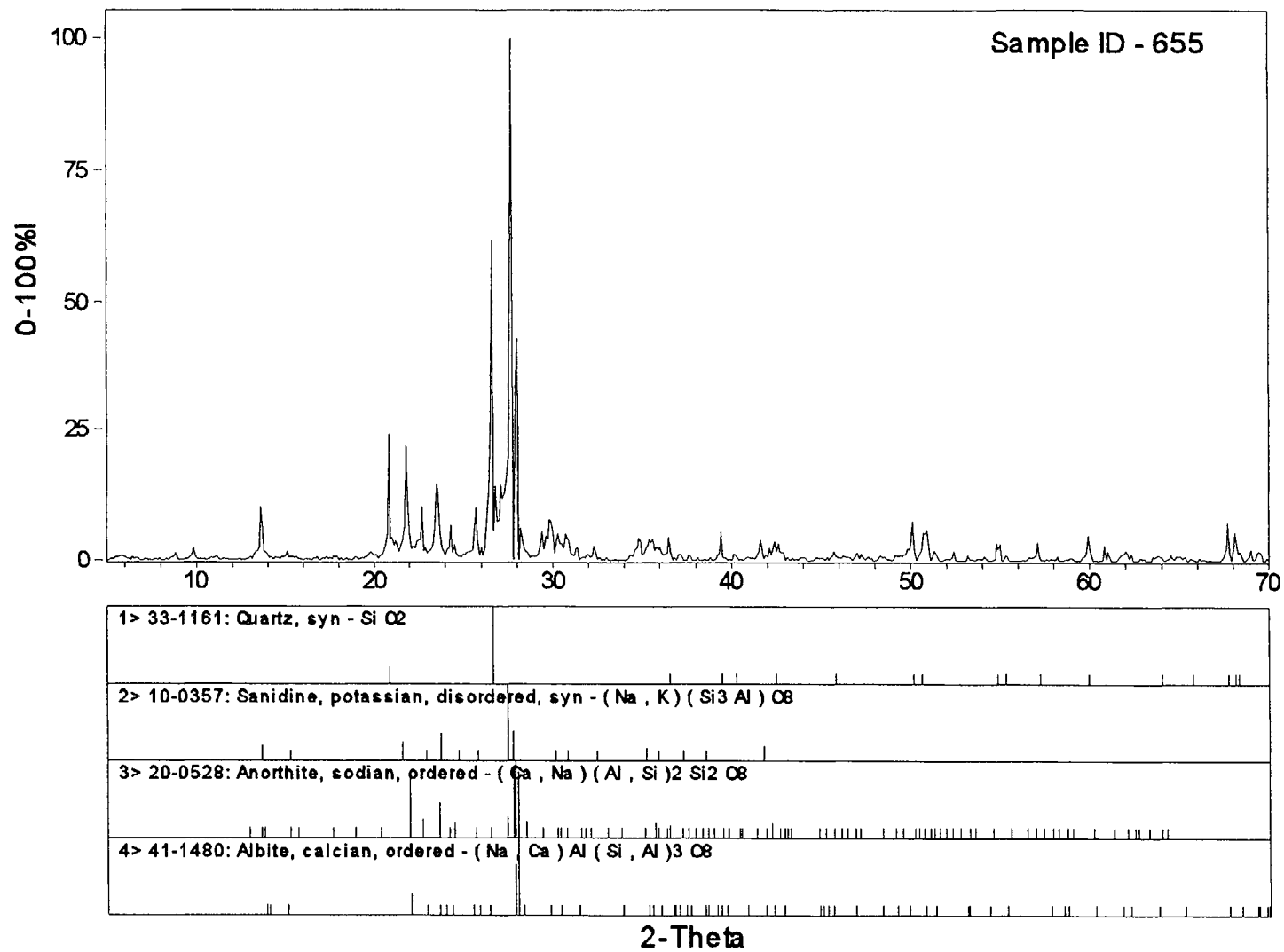


Peak Analysis

Sample ID -
654a

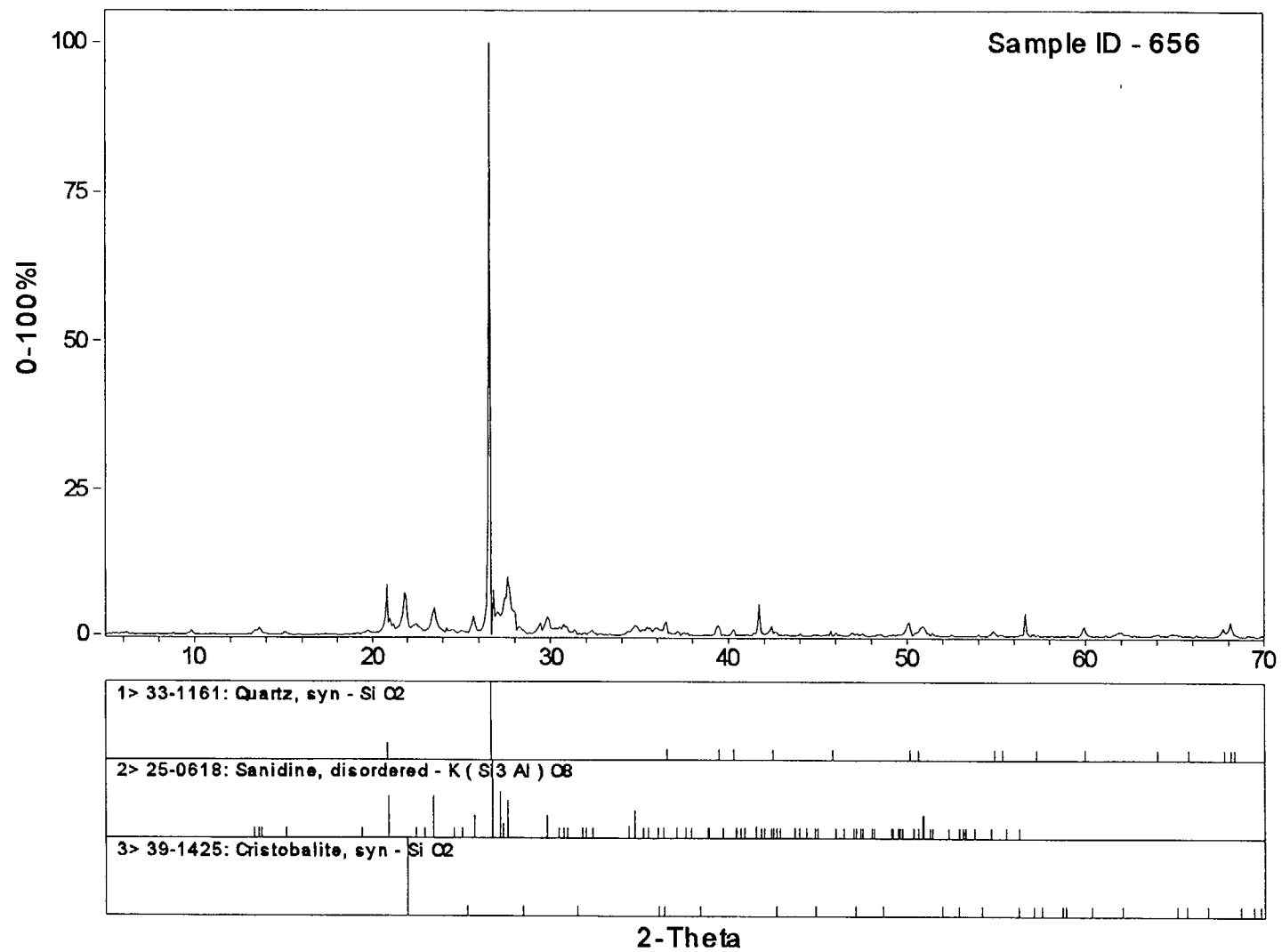
Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.869	9.9623	8.869	9.9623	1	34	1.3	5	0.7	0.132
13.631	6.4907	13.632	6.4907	7	165	6.5	66	8.9	0.36
15.121	5.8547	15.139	5.8477	9	53	2.1	20	2.7	0.34
20.818	4.2635	20.816	4.2639	52	483	19.1	182	24.7	0.339
21.883	4.0584	21.868	4.0612	102	2061	81.3	647	87.7	0.283
23.58	3.77	23.581	3.7698	105	616	24.3	212	28.7	0.31
24.601	3.6158	24.601	3.6158	72	71	2.8	11	1.5	0.139
25.747	3.4574	25.747	3.4574	76	326	12.9	72	9.8	0.199
26.612	3.3469	26.611	3.347	60	2535	100	474	64.2	0.168
27.683	3.2198	27.67	3.2213	55	1640	64.7	738	100	0.405
29.892	2.9867	29.905	2.9854	22	419	16.5	147	19.9	0.316
30.791	2.9015	30.727	2.9074	17	235	9.3	143	19.4	0.548
31.365	2.8498	31.34	2.8519	25	166	6.5	61	8.3	0.331
32.383	2.7624	32.383	2.7624	26	118	4.7	23	3.1	0.175
34.865	2.5713	34.86	2.5716	30	202	8	75	10.2	0.334
35.584	2.5209	35.588	2.5206	47	171	6.7	93	12.6	0.489
36.017	2.4916	36.005	2.4924	58	207	8.2	113	15.3	0.491
36.509	2.4591	36.509	2.4591	58	285	11.2	45	6.1	0.142
37.703	2.384	37.703	2.384	31	51	2	11	1.5	0.194
39.45	2.2823	39.45	2.2823	41	94	3.7	19	2.6	0.182
40.265	2.238	40.265	2.238	6	45	1.8	7	0.9	0.14
41.704	2.164	41.718	2.1634	6	211	8.3	57	7.7	0.243
42.419	2.1292	42.447	2.1279	12	150	5.9	56	7.6	0.336
46.106	1.9672	46.106	1.9672	23	49	1.9	11	1.5	0.202
47.014	1.9312	47.014	1.9312	30	66	2.6	30	4.1	0.409
48.567	1.8731	48.567	1.8731	27	62	2.4	14	1.9	0.203
50.091	1.8196	50.091	1.8196	17	360	14.2	72	9.8	0.18
50.963	1.7905	50.95	1.7909	18	262	10.3	106	14.4	0.364
53.461	1.7126	53.461	1.7126	14	23	0.9	4	0.5	0.157
54.86	1.6722	54.86	1.6722	5	70	2.8	15	2	0.193
56.902	1.6169	56.902	1.6169	7	58	2.3	32	4.3	0.497
59.146	1.5608	59.146	1.5608	14	21	0.8	4	0.5	0.171
59.911	1.5427	59.911	1.5427	6	177	7	33	4.5	0.168
61.975	1.4962	61.993	1.4958	15	122	4.8	42	5.7	0.31
63.064	1.4729	63.064	1.4729	7	45	1.8	10	1.4	0.2
65.027	1.4331	65.028	1.4331	9	88	3.5	35	4.7	0.358
67.709	1.3827	67.709	1.3827	8	109	4.3	27	3.7	0.223
68.094	1.3758	68.095	1.3758	7	146	5.8	47	6.4	0.29

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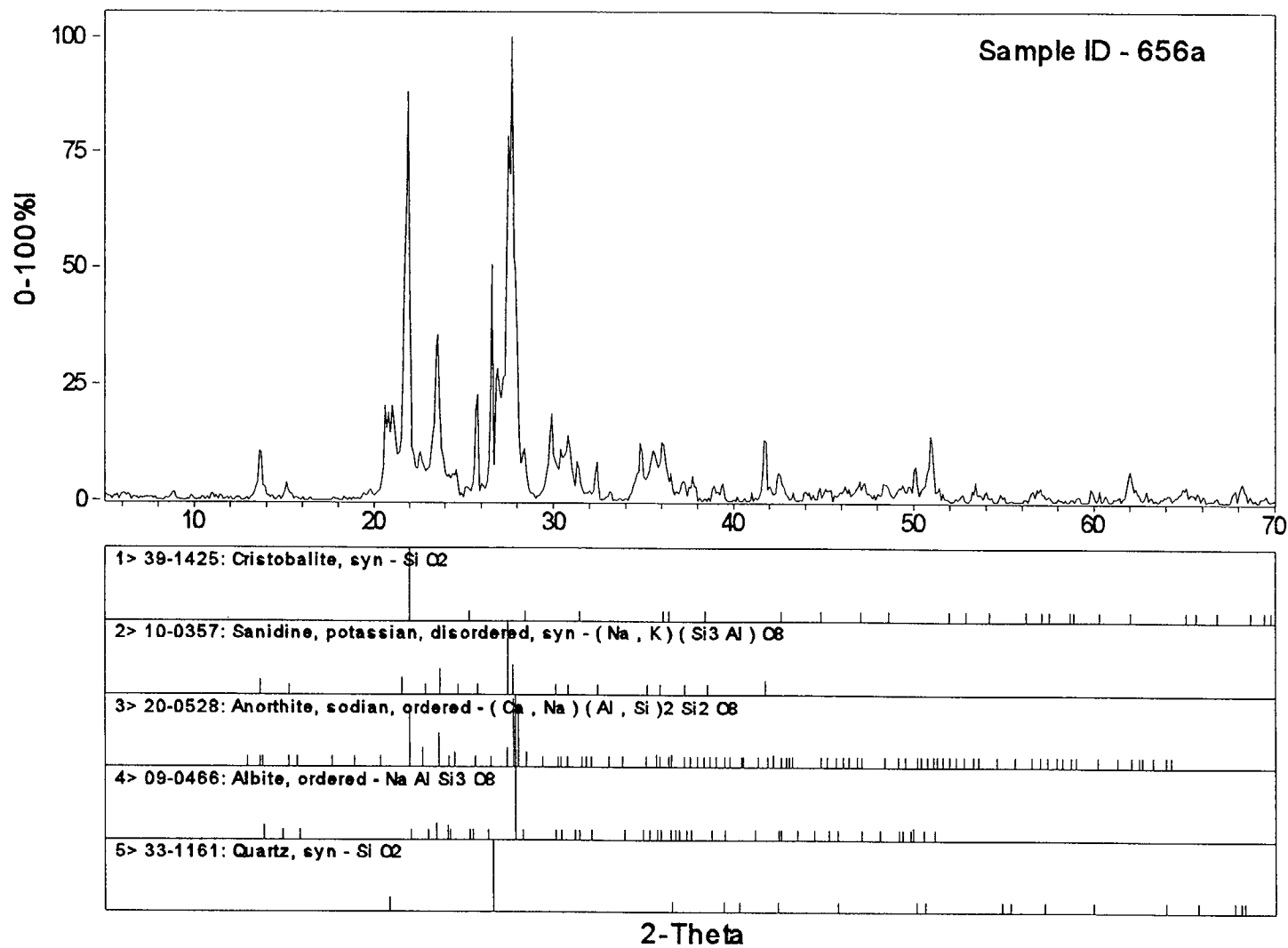
Peak Analysis
Sample ID - 655

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.788	9.0289	9.793	9.0242	7	101	3.8	18	4.6	0.16
13.616	6.4982	13.608	6.5017	12	445	16.9	111	28.2	0.224
19.792	4.4821	19.792	4.4821	24	46	1.7	12	3	0.235
20.805	4.2662	20.812	4.2647	79	1020	38.7	146	37.1	0.129
21.823	4.0694	21.816	4.0706	60	937	35.6	214	54.3	0.206
23.535	3.7771	23.539	3.7764	69	594	22.6	163	41.4	0.247
25.684	3.4657	25.684	3.4657	93	361	13.7	59	15	0.147
27.667	3.2217	27.667	3.2217	1898	2633	100	394	100	0.135
30.713	2.9087	30.679	2.9118	40	188	7.1	78	19.8	0.373
32.329	2.7669	32.329	2.7669	21	102	3.9	17	4.3	0.15
34.794	2.5763	34.802	2.5758	11	179	6.8	61	15.5	0.307
35.403	2.5334	35.409	2.533	17	167	6.3	78	19.8	0.42
36.491	2.4603	36.491	2.4603	33	168	6.4	25	6.3	0.134
37.11	2.4207	37.11	2.4207	19	36	1.4	9	2.3	0.225
39.383	2.2861	39.386	2.2859	5	243	9.2	37	9.4	0.137
40.896	2.2049	40.896	2.2049	14	12	0.5	2	0.5	0.15
41.597	2.1694	41.597	2.1694	16	168	6.4	34	8.6	0.182
42.389	2.1306	42.389	2.1306	25	144	5.5	33	8.4	0.206
44.767	2.0228	44.767	2.0228	8	14	0.5	4	1	0.257
46.4	1.9554	46.383	1.956	14	17	0.6	7	1.8	0.371
48.29	1.8831	48.29	1.8831	2	38	1.4	8	2	0.189
50.064	1.8205	50.064	1.8205	40	297	11.3	54	13.7	0.164
50.833	1.7947	50.833	1.7947	57	209	7.9	66	16.8	0.284
54.833	1.6729	54.833	1.6729	25	126	4.8	19	4.8	0.136
57.072	1.6125	57.072	1.6125	4	156	5.9	24	6.1	0.138
59.908	1.5427	59.893	1.5431	10	209	7.9	43	10.9	0.185
61.958	1.4965	61.958	1.4965	14	72	2.7	21	5.3	0.262
63.821	1.4573	63.821	1.4573	10	35	1.3	12	3	0.309
67.676	1.3833	67.676	1.3833	38	292	11.1	42	10.7	0.129
68.131	1.3752	68.131	1.3752	41	205	7.8	37	9.4	0.162
69.46	1.3521	69.46	1.3521	16	63	2.4	19	4.8	0.271



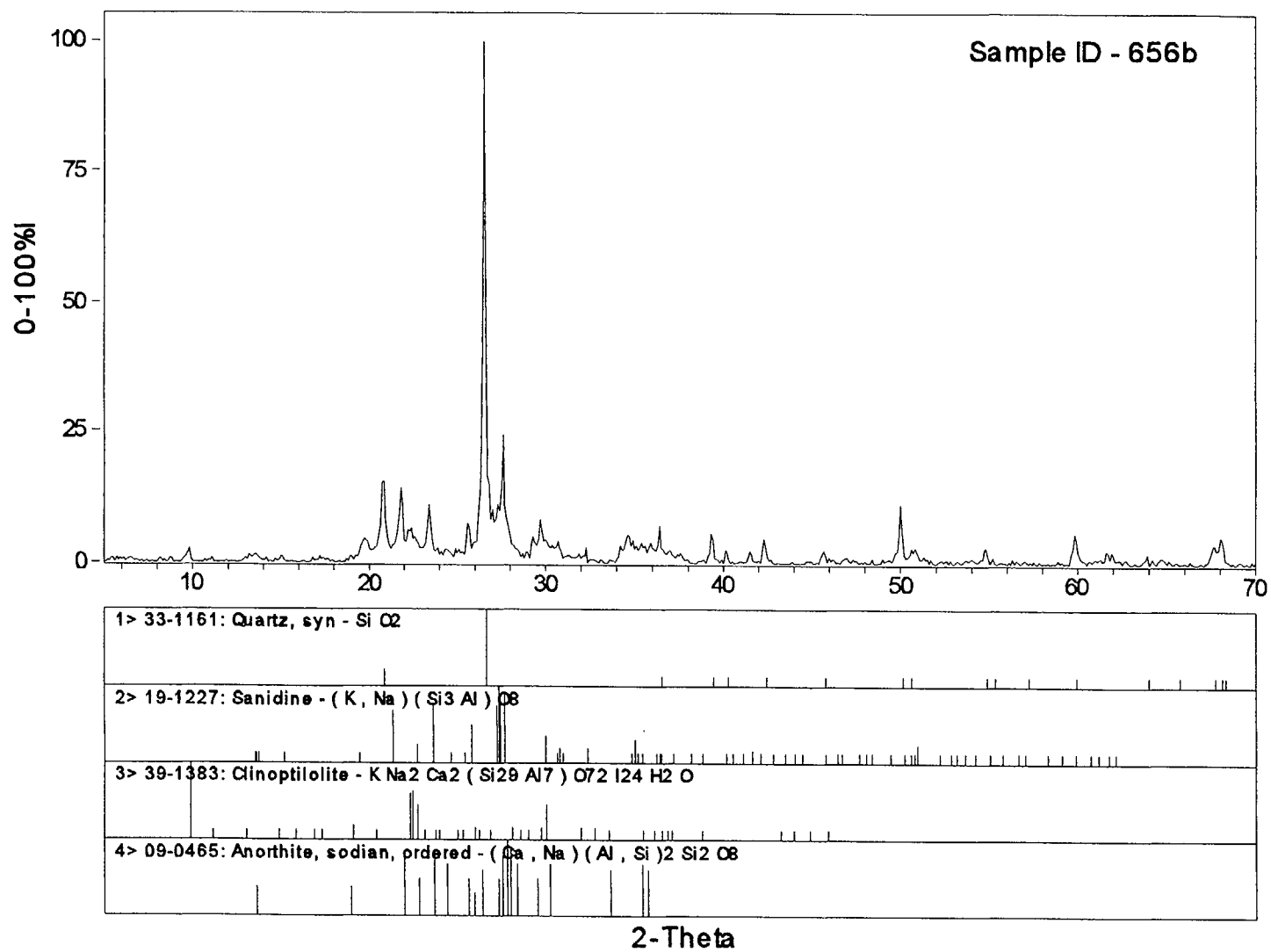
Peak Analysis
Sample ID - 656

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.77	9.0461	9.77	9.0461	6	87	9.2	18	6.5	0.186
13.571	6.5195	13.554	6.5278	3	152	16.1	64	23.3	0.379
19.118	4.6385	19.118	4.6385	20	10	1.1	2	0.7	0.18
20.791	4.269	20.795	4.2682	132	944	100	150	54.5	0.143
21.827	4.0687	21.819	4.0701	78	819	86.8	275	100	0.302
22.477	3.9524	22.46	3.9554	113	114	12.1	44	16	0.347
23.49	3.7842	23.497	3.7831	83	485	51.4	153	55.6	0.284
29.386	3.037	29.386	3.0369	53	205	21.7	48	17.5	0.211
29.804	2.9953	29.809	2.9948	38	346	36.7	183	66.5	0.476
30.876	2.8938	30.878	2.8935	37	141	14.9	41	14.9	0.262
32.311	2.7684	32.311	2.7684	32	81	8.6	18	6.5	0.2
34.723	2.5814	34.707	2.5826	44	159	16.8	64	23.3	0.362
35.923	2.4979	35.95	2.4961	23	133	14.1	53	19.3	0.359
36.459	2.4624	36.459	2.4624	71	218	23.1	37	13.5	0.153
39.394	2.2854	39.394	2.2854	42	172	18.2	38	13.8	0.199
40.26	2.2382	40.26	2.2382	15	120	12.7	20	7.3	0.15
41.684	2.165	41.685	2.165	17	650	68.9	103	37.5	0.143
42.385	2.1308	42.389	2.1306	26	177	18.8	46	16.7	0.234
47.177	1.9249	47.179	1.9249	10	38	4	11	4	0.261
50.052	1.8209	50.052	1.8209	54	242	25.6	59	21.5	0.219
50.856	1.794	50.844	1.7944	41	160	16.9	63	22.9	0.354
54.808	1.6736	54.808	1.6736	16	96	10.2	20	7.3	0.188
59.88	1.5434	59.898	1.543	5	189	20	51	18.5	0.243
63.972	1.4542	63.972	1.4542	5	39	4.1	15	5.5	0.346
67.71	1.3827	67.71	1.3827	7	170	18	54	19.6	0.286
68.088	1.376	68.073	1.3762	8	296	31.4	89	32.4	0.271



Peak Analysis
Sample ID - 656a

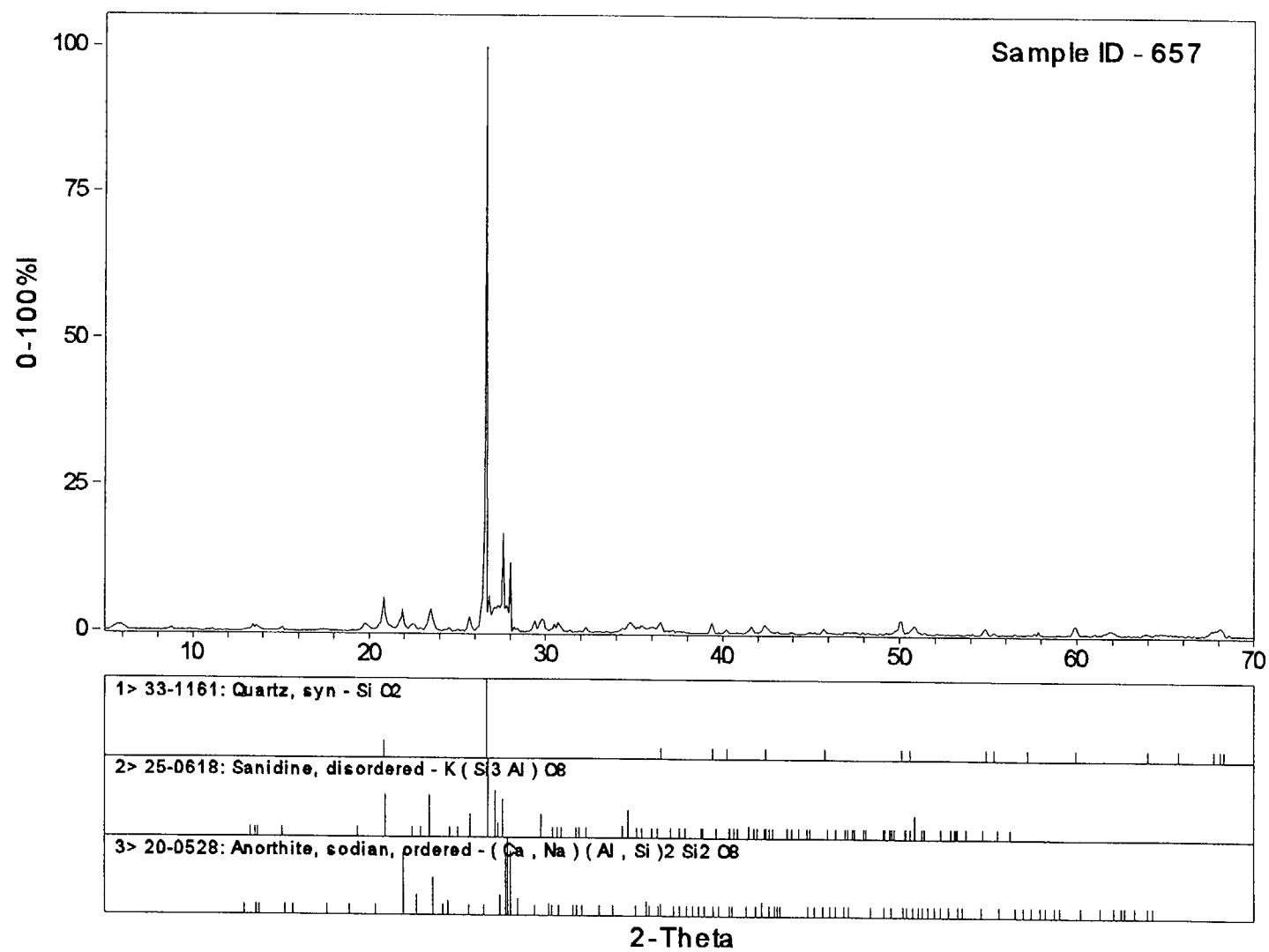
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.805	10.0344	8.817	10.021	3	31	1.5	10	1	0.29
13.623	6.4947	13.64	6.4867	7	215	10.7	74	7.1	0.31
15.117	5.856	15.147	5.8444	6	75	3.7	21	2	0.252
20.626	4.3027	20.626	4.3027	88	343	17.1	66	6.4	0.173
21.005	4.226	21.003	4.2264	74	358	17.9	204	19.6	0.513
21.861	4.0623	21.825	4.0689	103	1749	87.3	604	58.1	0.311
22.585	3.9338	22.585	3.9338	159	62	3.1	12	1.2	0.174
23.575	3.7707	23.56	3.7732	107	646	32.2	236	22.7	0.329
24.58	3.6188	24.58	3.6188	80	60	3	9	0.9	0.135
25.754	3.4564	25.754	3.4564	183	300	15	55	5.3	0.165
26.586	3.3501	26.587	3.3501	52	1019	50.8	182	17.5	0.161
26.927	3.3085	26.967	3.3036	31	571	28.5	248	23.9	0.391
27.694	3.2185	27.66	3.2224	96	2004	100	1039	100	0.467
28.375	3.1428	28.375	3.1428	170	67	3.3	9	0.9	0.121
29.892	2.9867	29.916	2.9844	27	368	18.4	156	15	0.382
30.792	2.9014	30.779	2.9027	14	283	14.1	144	13.9	0.458
31.319	2.8538	31.316	2.854	24	157	7.8	51	4.9	0.292
32.377	2.7629	32.377	2.7629	33	145	7.2	28	2.7	0.174
33.093	2.7048	33.093	2.7048	11	32	1.6	7	0.7	0.197
34.808	2.5753	34.806	2.5755	19	243	12.1	106	10.2	0.393
35.514	2.5257	35.517	2.5255	31	197	9.8	124	11.9	0.566
36.014	2.4918	36.01	2.4921	20	244	12.2	131	12.6	0.483
37.192	2.4155	37.192	2.4155	37	55	2.7	15	1.4	0.245
37.716	2.3832	37.716	2.3832	43	72	3.6	11	1.1	0.138
38.887	2.314	38.887	2.314	20	53	2.6	10	1	0.17
39.347	2.2881	39.347	2.2881	9	72	3.6	15	1.4	0.188
41.72	2.1632	41.72	2.1633	15	262	13.1	71	6.8	0.244
42.526	2.1241	42.537	2.1236	10	118	5.9	57	5.5	0.435
43.984	2.057	43.984	2.057	8	38	1.9	9	0.9	0.213
45.158	2.0062	45.158	2.0062	23	34	1.7	9	0.9	0.238
46.992	1.9321	47.002	1.9317	27	67	3.3	23	2.2	0.309
48.343	1.8812	48.343	1.8812	27	55	2.7	11	1.1	0.18
49.374	1.8443	49.374	1.8443	43	35	1.7	5	0.5	0.129
50.075	1.8201	50.075	1.8201	17	144	7.2	37	3.6	0.231
50.916	1.792	50.906	1.7924	11	286	14.3	120	11.5	0.378
52.661	1.7367	52.661	1.7367	2	30	1.5	6	0.6	0.18
53.399	1.7144	53.431	1.7134	5	84	4.2	23	2.2	0.246
54.789	1.6742	54.789	1.6742	8	31	1.5	5	0.5	0.145
56.995	1.6145	56.999	1.6144	8	57	2.8	24	2.3	0.379
59.842	1.5443	59.842	1.5443	20	38	1.9	7	0.7	0.166
61.991	1.4958	61.991	1.4958	13	127	6.3	40	3.8	0.283
64.116	1.4513	64.116	1.4513	13	20	1	5	0.5	0.225



Peak Analysis

Sample ID -
656b

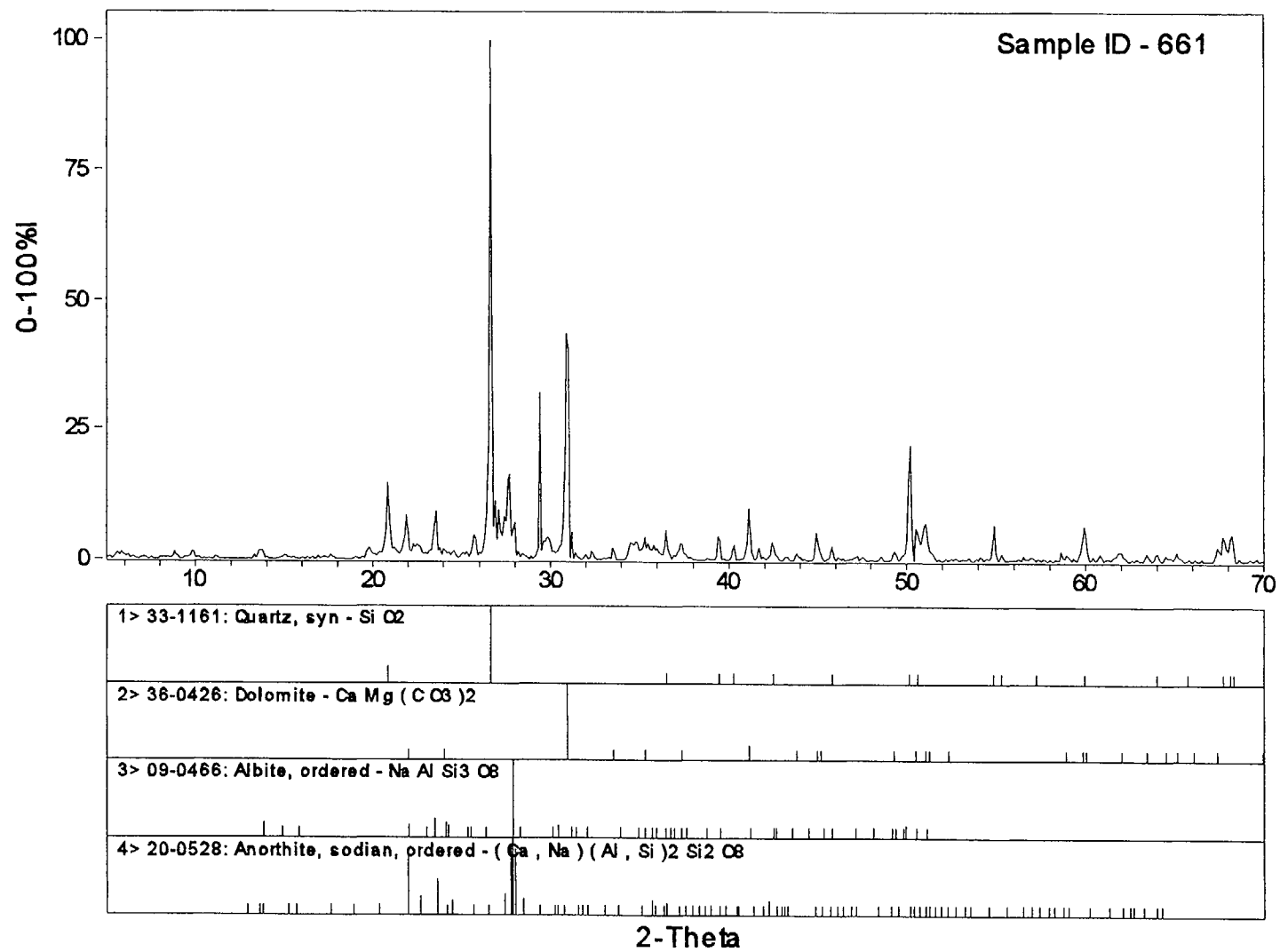
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.746	9.068	9.746	9.068	2	100	2.7	22	2.4	0.198
13.509	6.5491	13.501	6.5532	8	46	1.2	24	2.6	0.47
15.043	5.8846	15.043	5.8846	6	40	1.1	9	1	0.203
19.707	4.5012	19.708	4.5011	69	104	2.8	42	4.5	0.363
20.767	4.2738	20.755	4.2764	102	481	12.9	154	16.5	0.288
21.796	4.0742	21.795	4.0746	91	448	12	152	16.2	0.305
22.349	3.9748	22.349	3.9748	100	153	4.1	43	4.6	0.253
23.41	3.7969	23.41	3.7969	101	318	8.5	74	7.9	0.209
24.38	3.6481	24.38	3.6481	71	21	0.6	5	0.5	0.214
25.625	3.4736	25.625	3.4736	144	139	3.7	27	2.9	0.175
26.508	3.3599	26.521	3.3582	68	3724	100	936	100	0.226
27.59	3.2305	27.562	3.2337	99	828	22.2	319	34.1	0.347
29.722	3.0034	29.726	3.003	71	242	6.5	66	7.1	0.245
30.685	2.9113	30.685	2.9113	64	97	2.6	25	2.7	0.232
34.61	2.5896	34.607	2.5898	56	145	3.9	66	7.1	0.41
35.909	2.4989	35.906	2.4991	22	130	3.5	66	7.1	0.457
36.414	2.4653	36.414	2.4653	77	197	5.3	32	3.4	0.146
39.314	2.2899	39.314	2.2899	31	183	4.9	38	4.1	0.187
40.147	2.2443	40.147	2.2443	35	60	1.6	11	1.2	0.165
41.522	2.1731	41.522	2.1731	4	84	2.3	20	2.1	0.214
42.323	2.1338	42.323	2.1338	3	174	4.7	44	4.7	0.228
45.672	1.9848	45.672	1.9848	15	76	2	20	2.1	0.237
46.933	1.9344	46.933	1.9344	9	37	1	9	1	0.219
49.995	1.8229	49.985	1.8232	1	423	11.4	120	12.8	0.255
50.802	1.7958	50.783	1.7964	5	110	3	68	7.3	0.556
53.685	1.706	53.685	1.706	6	23	0.6	7	0.7	0.274
54.764	1.6749	54.764	1.6749	4	115	3.1	31	3.3	0.243
59.825	1.5447	59.841	1.5443	20	203	5.5	59	6.3	0.262
61.916	1.4974	61.912	1.4975	10	78	2.1	29	3.1	0.335
64.733	1.4389	64.733	1.4389	19	29	0.8	7	0.7	0.217
67.628	1.3842	67.627	1.3842	7	133	3.6	49	5.2	0.332
68.016	1.3772	68.014	1.3773	8	189	5.1	73	7.8	0.348



Peak Analysis
Sample ID - 657

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
5.723	15.4312	5.782	15.2723	14	120	16.3	74	31.4	0.555
13.653	6.4807	13.655	6.4797	17	61	8.3	28	11.9	0.413
19.754	4.4905	19.754	4.4905	43	121	16.4	35	14.8	0.26
20.801	4.267	20.812	4.2647	31	737	100	236	100	0.288
21.857	4.0631	21.844	4.0655	62	450	61.1	104	44.1	0.208
22.491	3.9499	22.491	3.9499	70	87	11.8	26	11	0.269
23.486	3.7849	23.479	3.7859	52	459	62.3	128	54.2	0.251
25.677	3.4666	25.677	3.4666	61	273	37	52	22	0.171
27.769	3.21	27.769	3.21	498	105	14.2	15	6.4	0.129
29.381	3.0375	29.381	3.0375	10	252	34.2	56	23.7	0.2
29.79	2.9967	29.792	2.9965	10	292	39.6	107	45.3	0.33
30.71	2.909	30.684	2.9114	14	207	28.1	61	25.8	0.265
32.297	2.7696	32.297	2.7696	22	101	13.7	17	7.2	0.151
34.788	2.5768	34.782	2.5772	22	214	29	91	38.6	0.383
36.459	2.4624	36.459	2.4624	50	185	25.1	43	18.2	0.209
39.382	2.2861	39.382	2.2861	20	213	28.9	40	16.9	0.169
41.595	2.1694	41.614	2.1685	4	154	20.9	43	18.2	0.251
42.409	2.1297	42.423	2.129	5	186	25.2	81	34.3	0.392
45.721	1.9828	45.721	1.9828	25	99	13.4	19	8.1	0.173
48.286	1.8833	48.286	1.8833	9	15	2	6	2.5	0.36
50.053	1.8209	50.059	1.8207	9	300	40.7	119	50.4	0.357
50.796	1.796	50.786	1.7963	8	185	25.1	81	34.3	0.394
54.791	1.6741	54.791	1.6741	4	144	19.5	37	15.7	0.231
59.872	1.5436	59.866	1.5437	10	189	25.6	58	24.6	0.276
61.892	1.498	61.894	1.4979	5	106	14.4	56	23.7	0.475
64.705	1.4395	64.744	1.4387	7	58	7.9	37	15.7	0.574
68.087	1.376	68.041	1.3768	8	184	25	85	36	0.416

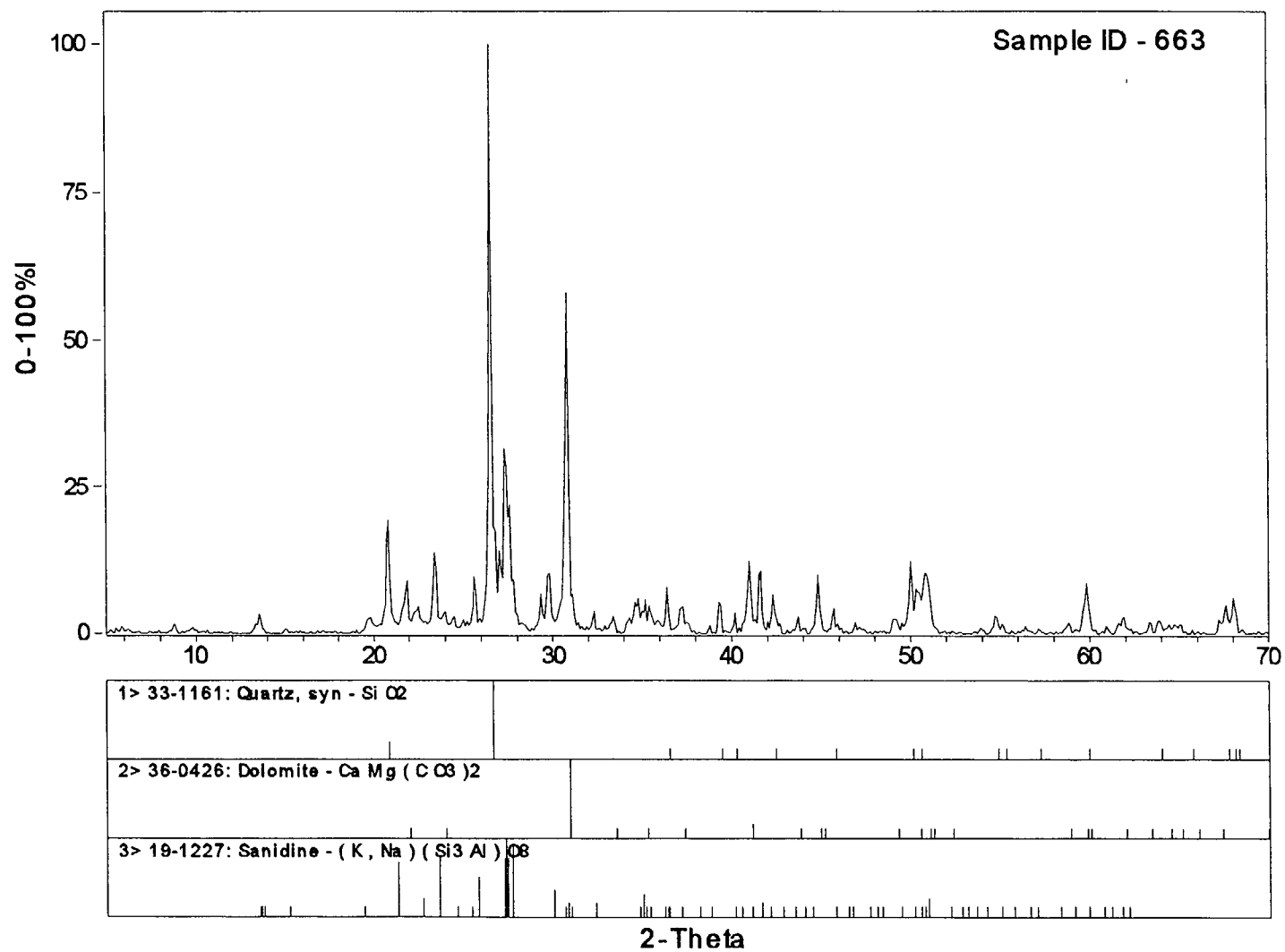
C-61



Peak Analysis
Sample ID - 661

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.821	8.9992	9.812	9.0073	8	59	1.3	18	2	0.275
13.671	6.4719	13.671	6.4719	9	66	1.5	23	2.5	0.314
17.622	5.0288	17.622	5.0288	6	30	0.7	6	0.7	0.18
19.772	4.4867	19.772	4.4867	28	74	1.6	21	2.3	0.255
20.826	4.2619	20.826	4.2618	44	623	13.8	169	18.4	0.244
21.889	4.0573	21.884	4.0582	58	331	7.3	80	8.7	0.218
22.504	3.9478	22.5	3.9485	67	65	1.4	23	2.5	0.318
23.574	3.7708	23.569	3.7717	47	379	8.4	104	11.3	0.247
25.728	3.4599	25.728	3.4599	80	136	3	27	2.9	0.179
26.612	3.3469	26.616	3.3465	33	4519	100	917	100	0.183
27.676	3.2206	27.661	3.2223	45	700	15.5	281	30.6	0.361
29.803	2.9955	29.79	2.9967	12	180	4	93	10.1	0.465
30.91	2.8907	30.901	2.8914	10	1971	43.6	520	56.7	0.237
32.343	2.7658	32.343	2.7658	6	66	1.5	13	1.4	0.177
33.537	2.67	33.537	2.67	20	85	1.9	13	1.4	0.138
34.802	2.5757	34.801	2.5758	10	152	3.4	90	9.8	0.533
35.298	2.5407	35.301	2.5405	16	186	4.1	83	9.1	0.402
36.504	2.4595	36.504	2.4595	58	203	4.5	31	3.4	0.137
37.325	2.4073	37.349	2.4058	23	121	2.7	39	4.3	0.29
39.435	2.2832	39.435	2.2832	11	203	4.5	39	4.3	0.173
40.262	2.2381	40.262	2.2381	38	97	2.1	16	1.7	0.148
41.113	2.1938	41.112	2.1938	5	450	10	98	10.7	0.196
41.67	2.1657	41.671	2.1657	5	111	2.5	20	2.2	0.162
42.427	2.1288	42.439	2.1283	4	161	3.6	44	4.8	0.246
43.818	2.0644	43.818	2.0644	12	47	1	10	1.1	0.191
44.938	2.0155	44.948	2.0151	7	239	5.3	55	6	0.207
45.76	1.9812	45.76	1.9812	14	113	2.5	21	2.3	0.167
49.263	1.8482	49.263	1.8482	41	38	0.8	6	0.7	0.142
50.165	1.8171	50.165	1.8171	159	849	18.8	155	16.9	0.164
51.048	1.7877	51.052	1.7876	91	235	5.2	68	7.4	0.26
54.874	1.6718	54.874	1.6718	23	294	6.5	46	5	0.141
58.922	1.5662	58.922	1.5662	13	43	1	9	1	0.188
59.904	1.5428	59.894	1.5431	18	287	6.4	82	8.9	0.257
61.955	1.4966	61.905	1.4977	6	77	1.7	33	3.6	0.386
63.431	1.4653	63.431	1.4653	12	56	1.2	12	1.3	0.193
63.984	1.4539	63.984	1.4539	12	56	1.2	12	1.3	0.193
65.123	1.4312	65.123	1.4312	9	68	1.5	15	1.6	0.199
67.722	1.3825	67.716	1.3826	27	200	4.4	78	8.5	0.351
68.169	1.3745	68.169	1.3745	45	192	4.2	51	5.6	0.239

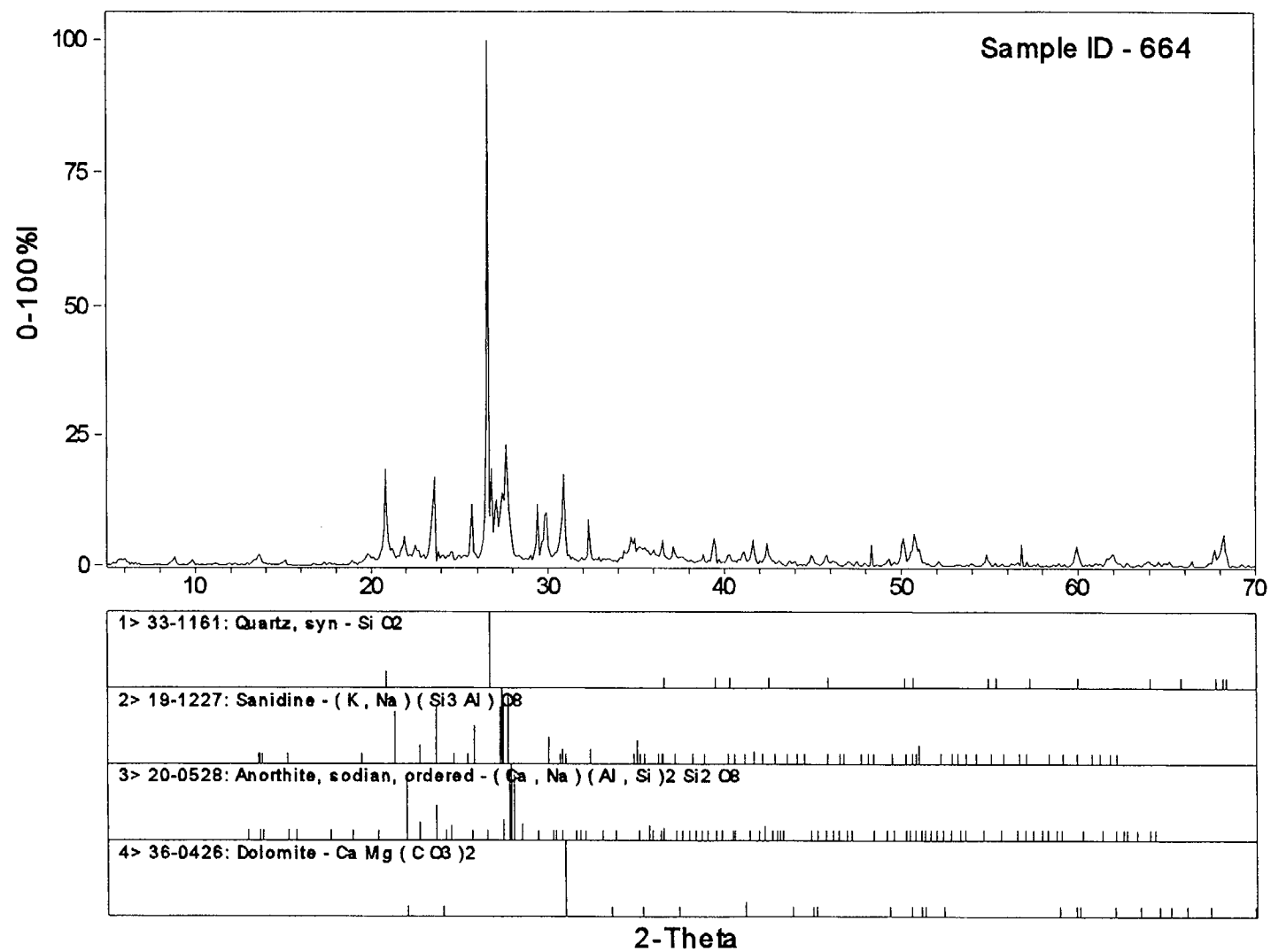
C-63



Peak Analysis
Sample ID - 663

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.756	10.0913	8.756	10.0913	4	45	1.4	10	1.4	0.2
13.495	6.556	13.475	6.5657	6	100	3.1	31	4.2	0.279
19.737	4.4946	19.737	4.4946	28	61	1.9	20	2.7	0.295
20.78	4.2712	20.777	4.2717	44	577	18	161	21.8	0.251
21.836	4.067	21.836	4.067	50	238	7.4	59	8	0.223
22.451	3.9569	22.42	3.9623	55	92	2.9	31	4.2	0.303
23.417	3.7959	23.422	3.7951	43	400	12.5	102	13.8	0.229
24.46	3.6362	24.46	3.6362	40	50	1.6	9	1.2	0.162
25.621	3.474	25.621	3.474	105	208	6.5	36	4.9	0.156
26.521	3.3582	26.541	3.3557	33	3201	100	737	100	0.207
27.318	3.262	27.317	3.2621	34	985	30.8	550	74.6	0.503
29.324	3.0433	29.323	3.0434	31	186	5.8	39	5.3	0.189
29.759	2.9997	29.758	2.9999	21	306	9.6	101	13.7	0.297
30.786	2.902	30.777	2.9028	22	1856	58	527	71.5	0.256
32.268	2.772	32.268	2.772	28	96	3	14	1.9	0.131
33.361	2.6837	33.361	2.6837	21	74	2.3	17	2.3	0.207
34.748	2.5796	34.748	2.5796	22	171	5.3	43	5.8	0.226
35.412	2.5327	35.412	2.5328	32	120	3.7	34	4.6	0.255
36.412	2.4655	36.412	2.4655	39	215	6.7	34	4.6	0.142
37.281	2.41	37.299	2.4089	28	119	3.7	47	6.4	0.355
39.33	2.289	39.33	2.289	38	134	4.2	26	3.5	0.175
40.982	2.2005	40.986	2.2002	19	379	11.8	112	15.2	0.266
41.571	2.1707	41.571	2.1707	33	314	9.8	72	9.8	0.206
42.336	2.1332	42.336	2.1332	24	189	5.9	42	5.7	0.2
43.672	2.071	43.672	2.071	10	84	2.6	12	1.6	0.129
44.807	2.0211	44.802	2.0213	7	318	9.9	77	10.4	0.218
45.677	1.9846	45.678	1.9846	12	128	4	27	3.7	0.19
49.091	1.8543	49.091	1.8543	26	55	1.7	18	2.4	0.295
50.015	1.8222	50.013	1.8222	11	385	12	113	15.3	0.264
50.817	1.7953	50.812	1.7954	10	326	10.2	195	26.5	0.538
54.726	1.6759	54.738	1.6756	4	94	2.9	30	4.1	0.287
56.461	1.6285	56.462	1.6284	4	15	0.5	9	1.2	0.54
58.778	1.5697	58.778	1.5697	6	55	1.7	15	2	0.245
59.795	1.5454	59.788	1.5456	7	271	8.5	88	11.9	0.292
61.862	1.4986	61.864	1.4986	10	80	2.5	24	3.3	0.27
63.323	1.4675	63.323	1.4675	11	51	1.6	12	1.6	0.212
63.875	1.4562	63.876	1.4561	3	68	2.1	23	3.1	0.304
67.591	1.3849	67.593	1.3848	4	153	4.8	63	8.5	0.371
68.022	1.3771	68.021	1.3771	5	193	6	58	7.9	0.27

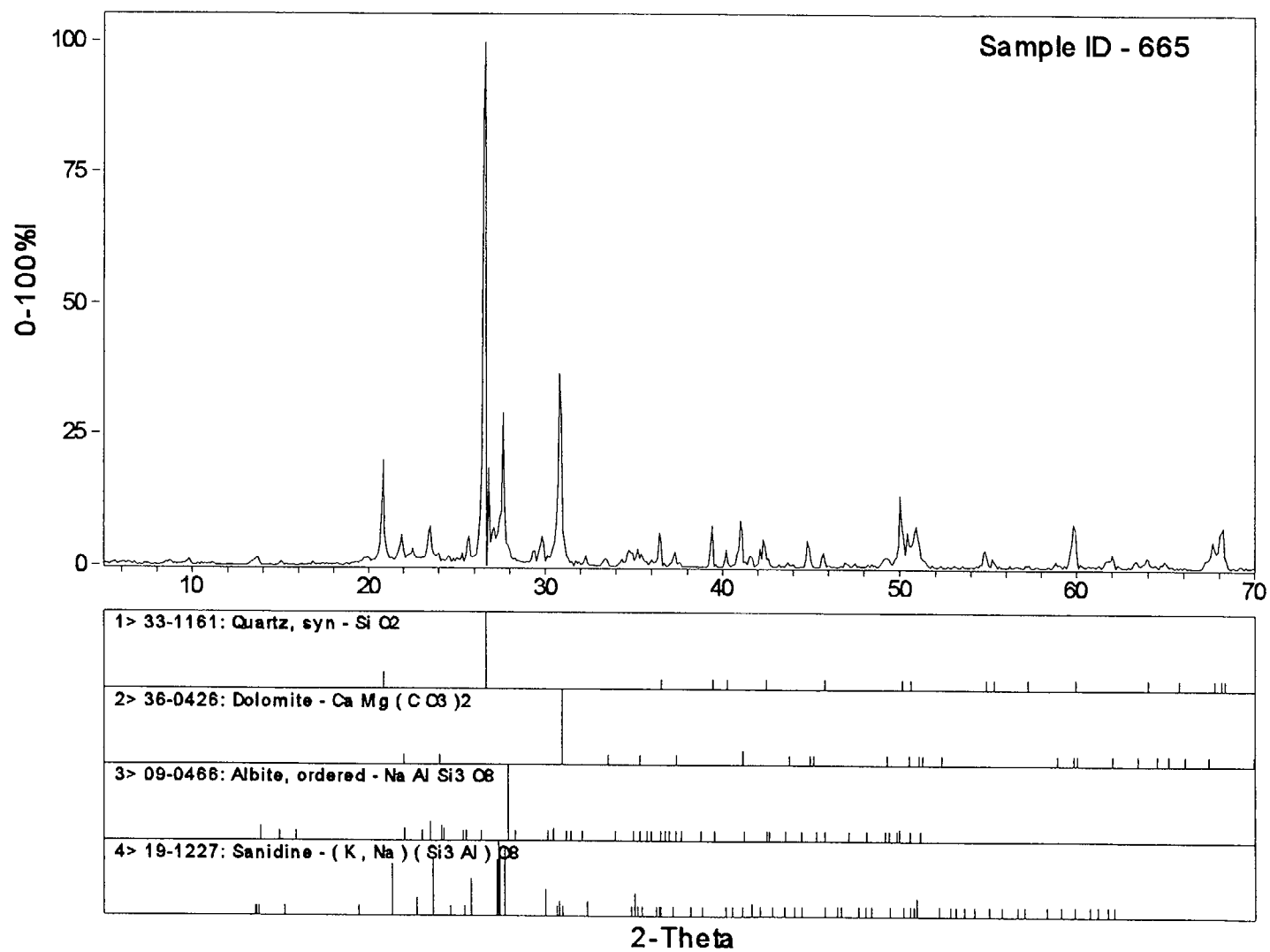
C-65



Peak Analysis
Sample ID - 664

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.749	10.0988	8.749	10.0988	5	84	1.7	16	1.9	0.171
13.582	6.5142	13.535	6.5366	8	101	2	40	4.8	0.356
19.788	4.4831	19.788	4.4831	48	62	1.2	18	2.2	0.261
20.815	4.2641	20.813	4.2644	72	879	17.5	199	23.9	0.204
23.559	3.7732	23.559	3.7732	307	567	11.3	95	11.4	0.151
25.677	3.4666	25.677	3.4666	121	486	9.7	68	8.2	0.126
26.585	3.3502	26.589	3.3498	73	5036	100	834	100	0.149
27.608	3.2284	27.572	3.2325	88	1102	21.9	446	53.5	0.364
29.853	2.9905	29.828	2.993	76	449	8.9	134	16.1	0.269
30.864	2.8948	30.86	2.8952	60	841	16.7	217	26	0.232
32.318	2.7678	32.318	2.7678	47	410	8.1	60	7.2	0.132
34.707	2.5826	34.706	2.5827	57	228	4.5	85	10.2	0.336
35.993	2.4932	35.994	2.4931	51	108	2.1	45	5.4	0.375
37.13	2.4194	37.13	2.4194	70	122	2.4	22	2.6	0.162
39.409	2.2846	39.409	2.2846	85	186	3.7	36	4.3	0.174
40.256	2.2385	40.256	2.2385	77	32	0.6	6	0.7	0.169
41.078	2.1955	41.078	2.1955	58	86	1.7	16	1.9	0.167
41.604	2.169	41.604	2.169	48	209	4.2	38	4.6	0.164
42.41	2.1296	42.423	2.129	34	193	3.8	41	4.9	0.191
43.679	2.0706	43.679	2.0706	11	38	0.8	8	1	0.189
44.921	2.0162	44.934	2.0157	13	93	1.8	23	2.8	0.223
45.778	1.9805	45.778	1.9805	7	98	1.9	28	3.4	0.257
46.995	1.932	46.995	1.932	11	34	0.7	8	1	0.212
50.085	1.8198	50.087	1.8197	2	275	5.5	88	10.6	0.288
50.71	1.7988	50.708	1.7989	3	320	6.4	137	16.4	0.385
54.815	1.6734	54.813	1.6735	9	109	2.2	21	2.5	0.173
59.906	1.5428	59.9	1.5429	8	191	3.8	51	6.1	0.24
61.897	1.4979	61.908	1.4976	12	107	2.1	49	5.9	0.412
63.894	1.4558	63.918	1.4553	8	47	0.9	16	1.9	0.306
67.684	1.3832	67.684	1.3832	16	155	3.1	35	4.2	0.203
68.175	1.3744	68.153	1.3748	27	289	5.7	88	10.6	0.274

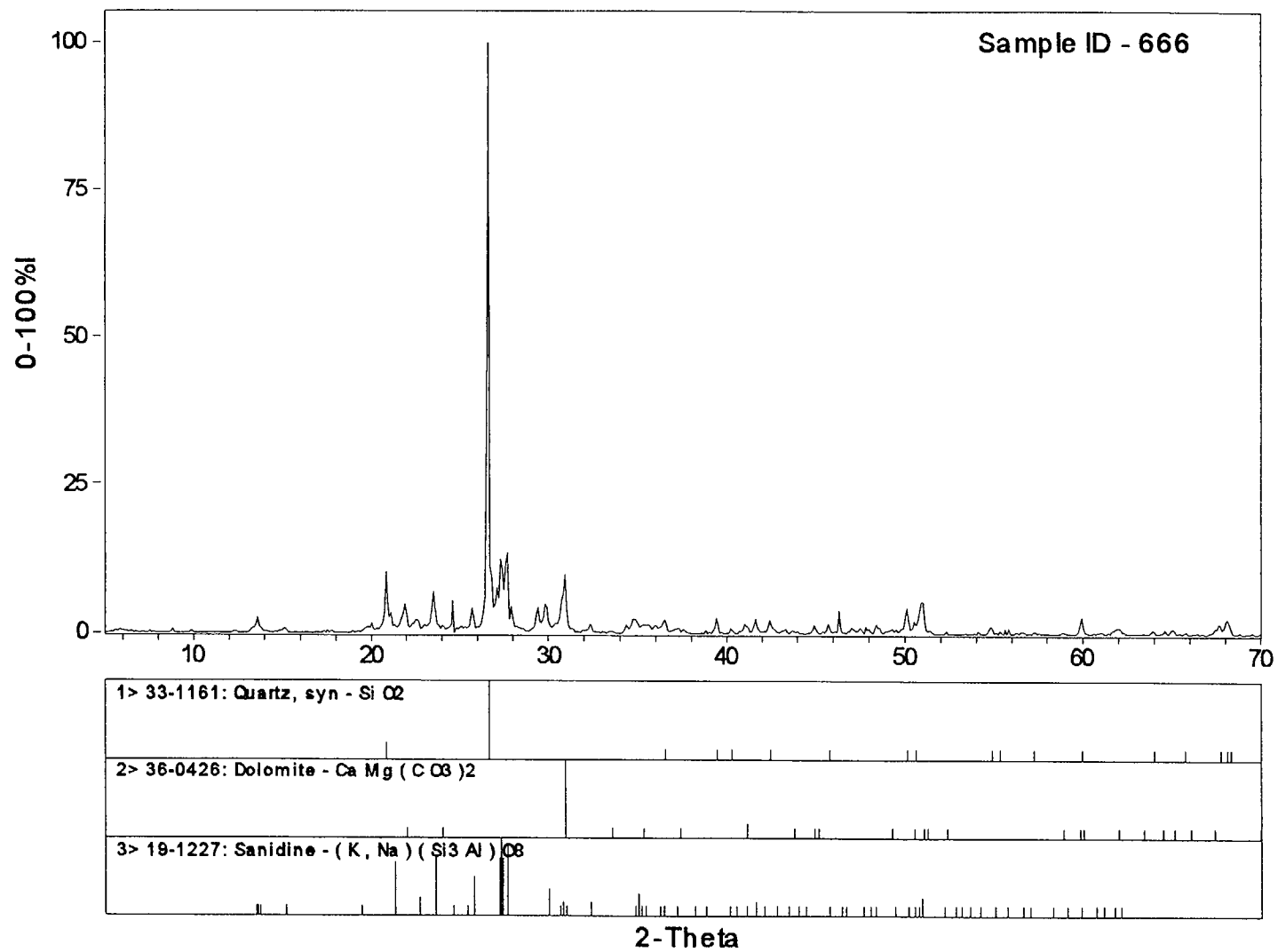
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Peak Analysis
Sample ID - 665

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.711	10.1426	8.711	10.1426	4	33	1.1	7	1.3	0.191
13.632	6.4906	13.632	6.4906	8	60	2	18	3.4	0.27
20.78	4.2711	20.773	4.2726	51	915	30.6	199	37.1	0.196
21.859	4.0628	21.859	4.0628	64	222	7.4	51	9.5	0.207
22.463	3.9548	22.463	3.9548	66	95	3.2	19	3.5	0.18
23.465	3.7882	23.47	3.7874	60	301	10.1	87	16.2	0.26
26.556	3.3539	26.556	3.3539	1806	2991	100	536	100	0.161
29.776	2.9981	29.776	2.9981	31	242	8.1	69	12.9	0.257
30.812	2.8996	30.803	2.9004	30	1726	57.7	507	94.6	0.264
32.271	2.7718	32.271	2.7718	15	84	2.8	14	2.6	0.15
33.375	2.6826	33.371	2.6829	2	65	2.2	20	3.7	0.277
34.737	2.5804	34.733	2.5807	30	121	4	42	7.8	0.312
35.196	2.5479	35.196	2.5479	8	155	5.2	38	7.1	0.221
36.427	2.4645	36.427	2.4645	19	288	9.6	58	10.8	0.181
37.275	2.4103	37.289	2.4095	12	125	4.2	30	5.6	0.216
39.37	2.2868	39.37	2.2868	102	276	9.2	39	7.3	0.127
40.188	2.2421	40.188	2.2421	23	137	4.6	20	3.7	0.131
41.003	2.1994	41.003	2.1994	26	398	13.3	91	17	0.206
41.547	2.1718	41.547	2.1718	29	72	2.4	14	2.6	0.175
42.322	2.1338	42.322	2.1339	17	238	8	57	10.6	0.216
44.839	2.0197	44.841	2.0197	2	238	8	55	10.3	0.208
45.692	1.984	45.692	1.984	22	112	3.7	21	3.9	0.169
49.23	1.8494	49.23	1.8494	34	52	1.7	19	3.5	0.329
50.036	1.8215	50.039	1.8214	10	648	21.7	182	34	0.253
50.894	1.7928	50.878	1.7933	15	359	12	178	33.2	0.446
54.781	1.6744	54.767	1.6748	12	145	4.8	40	7.5	0.248
57.273	1.6073	57.273	1.6073	10	19	0.6	3	0.6	0.142
58.799	1.5692	58.799	1.5692	10	44	1.5	7	1.3	0.143
59.814	1.545	59.807	1.5451	14	386	12.9	120	22.4	0.28
61.959	1.4965	61.959	1.4965	29	95	3.2	22	4.1	0.208
63.323	1.4675	63.323	1.4675	9	58	1.9	15	2.8	0.233
63.914	1.4554	63.913	1.4554	14	76	2.5	24	4.5	0.284
64.944	1.4347	64.944	1.4347	14	32	1.1	11	2.1	0.309
67.624	1.3843	67.635	1.3841	3	245	8.2	120	22.4	0.441
68.138	1.3751	68.085	1.376	4	370	12.4	146	27.2	0.355

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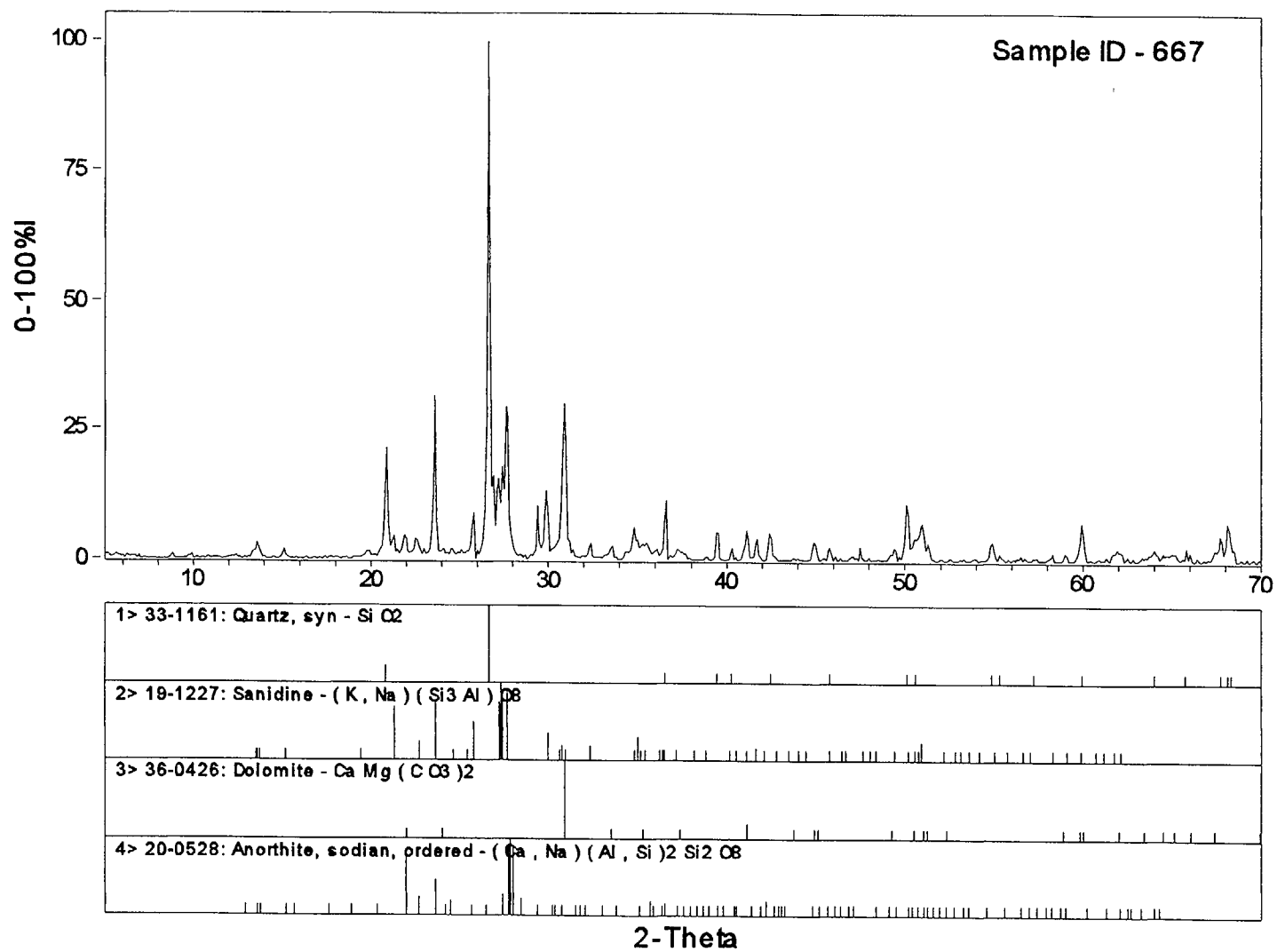


Peak Analysis

Sample ID - 666

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.768	10.0768	8.768	10.0768	3	51	0.7	8	0.6	0.141
13.587	6.512	13.566	6.5219	3	202	2.6	74	5.9	0.33
20.819	4.2633	20.823	4.2624	50	766	9.8	176	14	0.207
21.869	4.0609	21.869	4.0609	86	299	3.8	78	6.2	0.235
22.54	3.9416	22.54	3.9416	87	87	1.1	30	2.4	0.31
23.498	3.783	23.498	3.783	119	430	5.5	83	6.6	0.174
25.699	3.4637	25.699	3.4637	117	210	2.7	35	2.8	0.15
26.589	3.3497	26.592	3.3494	114	7833	100	1256	100	0.144
27.313	3.2626	27.309	3.2631	73	909	11.6	442	35.2	0.438
27.619	3.2271	27.619	3.2271	66	852	10.9	260	20.7	0.275
29.401	3.0355	29.401	3.0355	36	308	3.9	85	6.8	0.248
29.817	2.994	29.815	2.9943	31	347	4.4	127	10.1	0.329
30.857	2.8955	30.838	2.8972	24	754	9.6	242	19.3	0.289
32.31	2.7685	32.31	2.7685	19	105	1.3	26	2.1	0.223
34.745	2.5798	34.709	2.5824	17	173	2.2	106	8.4	0.551
36.464	2.462	36.464	2.462	55	126	1.6	27	2.1	0.193
39.398	2.2852	39.398	2.2852	13	196	2.5	37	2.9	0.17
41.039	2.1975	41.025	2.1982	10	117	1.5	38	3	0.292
41.603	2.1691	41.603	2.169	8	191	2.4	52	4.1	0.245
42.427	2.1288	42.421	2.1291	10	176	2.2	55	4.4	0.281
44.924	2.0161	44.924	2.0161	7	112	1.4	24	1.9	0.193
45.724	1.9827	45.724	1.9827	12	119	1.5	24	1.9	0.182
48.41	1.8788	48.41	1.8788	29	100	1.3	17	1.4	0.153
50.096	1.8194	50.096	1.8194	14	331	4.2	97	7.7	0.264
50.906	1.7923	50.895	1.7927	16	406	5.2	155	12.3	0.344
54.783	1.6743	54.783	1.6743	14	86	1.1	19	1.5	0.199
59.892	1.5431	59.902	1.5429	8	222	2.8	50	4	0.203
61.968	1.4963	61.934	1.4971	6	81	1	40	3.2	0.444
63.922	1.4552	63.922	1.4552	12	38	0.5	9	0.7	0.213
67.606	1.3846	67.605	1.3846	5	137	1.7	55	4.4	0.361
68.094	1.3758	68.076	1.3762	5	194	2.5	74	5.9	0.343

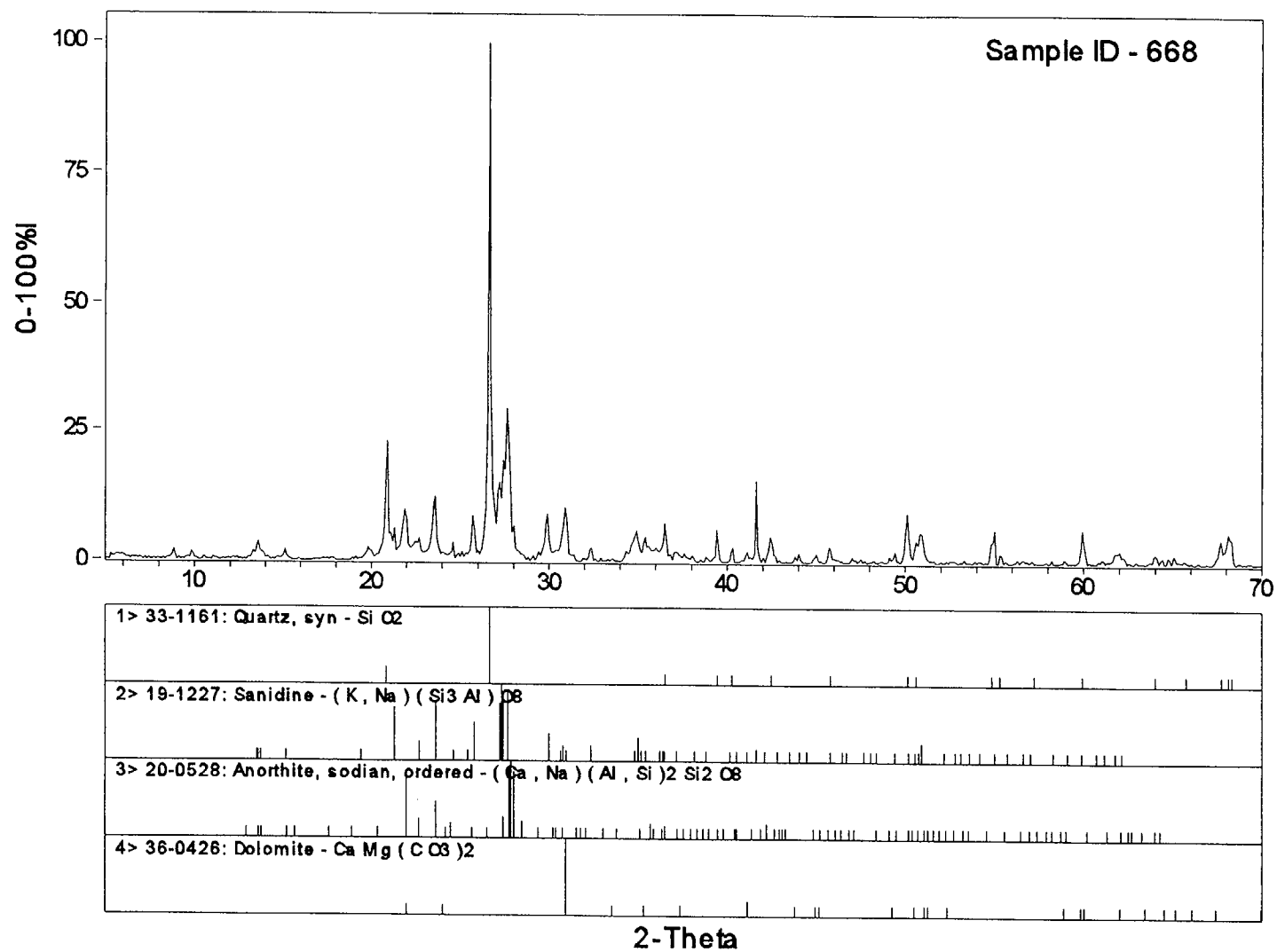
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Peak Analysis
Sample ID - 667

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
12.37	7.1497	12.328	7.1738	3	23	0.6	7	0.9	0.274
13.596	6.5077	13.572	6.5189	6	121	3.1	39	5.2	0.29
15.105	5.8607	15.105	5.8607	5	73	1.9	14	1.8	0.173
19.788	4.4831	19.788	4.4831	21	41	1.1	12	1.6	0.263
20.867	4.2536	20.87	4.2529	32	825	21.2	219	28.9	0.239
21.895	4.0562	21.895	4.0562	44	140	3.6	37	4.9	0.238
22.565	3.9372	22.565	3.9372	56	98	2.5	25	3.3	0.23
23.573	3.7711	23.573	3.7711	51	1206	31	208	27.5	0.155
25.763	3.4552	25.763	3.4552	132	224	5.8	35	4.6	0.141
26.62	3.3459	26.62	3.3459	111	3887	100	757	100	0.175
27.618	3.2272	27.616	3.2275	66	1107	28.5	363	48	0.295
29.418	3.0337	29.418	3.0337	31	380	9.8	60	7.9	0.142
29.888	2.9871	29.89	2.9869	16	509	13.1	157	20.7	0.278
30.893	2.8922	30.884	2.893	18	1182	30.4	384	50.7	0.292
32.355	2.7648	32.355	2.7648	16	109	2.8	22	2.9	0.182
33.573	2.6671	33.555	2.6686	11	96	2.5	26	3.4	0.244
34.819	2.5745	34.814	2.5749	49	198	5.1	57	7.5	0.259
36.565	2.4555	36.565	2.4555	140	315	8.1	49	6.5	0.14
39.449	2.2824	39.449	2.2824	5	206	5.3	43	5.7	0.188
40.267	2.2379	40.267	2.2379	4	89	2.3	13	1.7	0.131
41.096	2.1947	41.102	2.1943	3	227	5.8	60	7.9	0.238
41.667	2.1659	41.656	2.1664	5	165	4.2	38	5	0.207
42.434	2.1285	42.434	2.1285	19	189	4.9	41	5.4	0.195
44.939	2.0155	44.939	2.0155	11	131	3.4	34	4.5	0.234
45.778	1.9805	45.778	1.9805	32	64	1.6	14	1.8	0.197
49.416	1.8429	49.416	1.8429	28	65	1.7	13	1.7	0.18
50.121	1.8185	50.121	1.8185	30	401	10.3	99	13.1	0.222
50.968	1.7903	50.915	1.792	16	266	6.8	170	22.5	0.575
54.877	1.6717	54.873	1.6718	6	136	3.5	37	4.9	0.245
59.015	1.5639	59.015	1.5639	10	47	1.2	9	1.2	0.172
59.917	1.5425	59.912	1.5427	10	280	7.2	75	9.9	0.241
61.911	1.4976	61.924	1.4973	17	75	1.9	35	4.6	0.42
64.003	1.4535	64.003	1.4536	9	83	2.1	29	3.8	0.314
67.701	1.3829	67.701	1.3829	19	174	4.5	47	6.2	0.243
68.145	1.3749	68.134	1.3751	25	268	6.9	97	12.8	0.326

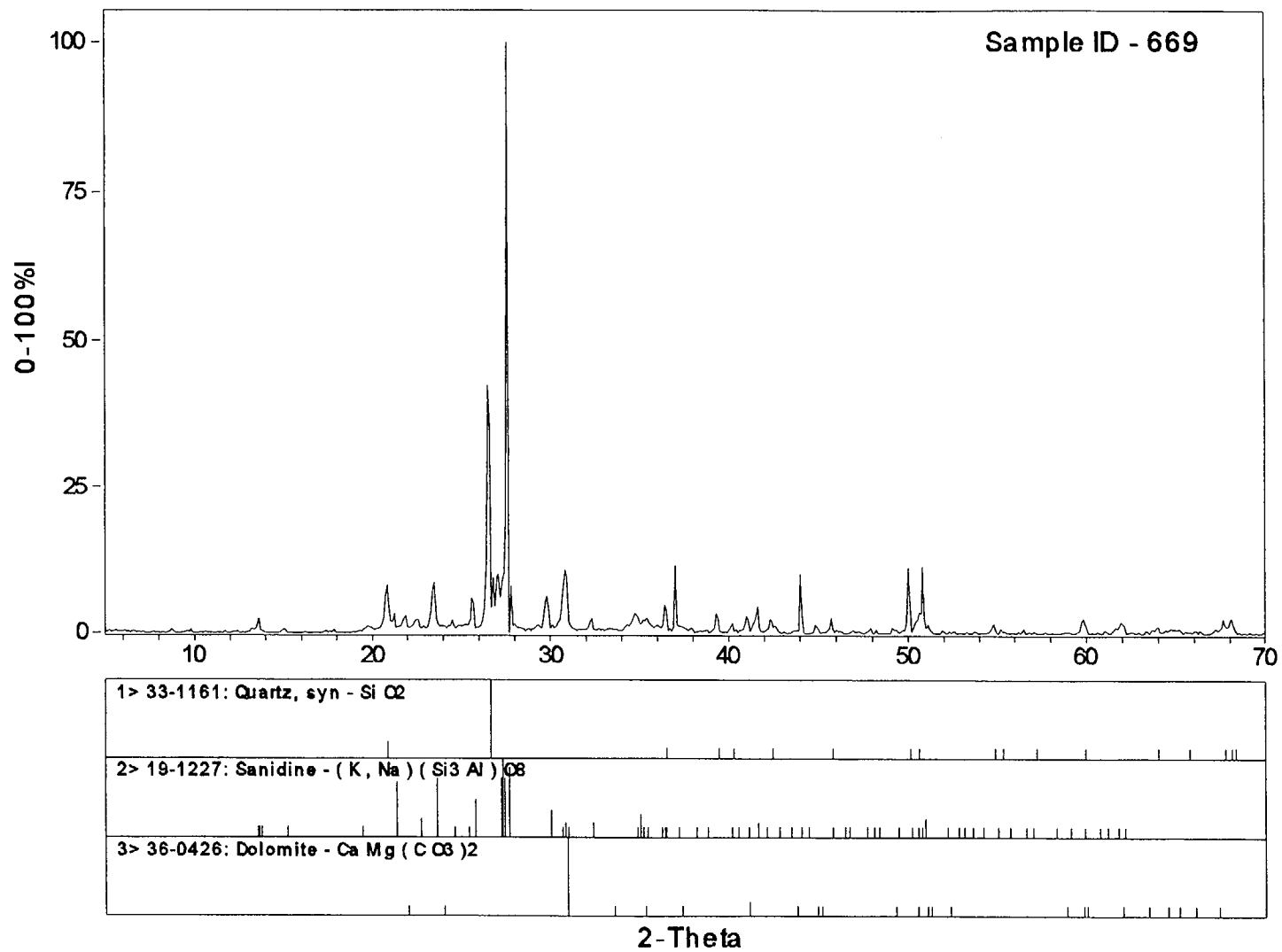
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Peak Analysis
Sample ID - 668

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.787	10.0555	8.787	10.0555	14	73	1.8	11	1.3	0.136
9.844	8.9777	9.844	8.9777	6	36	0.9	10	1.2	0.25
13.594	6.5086	13.58	6.5154	10	138	3.4	52	6.2	0.339
15.128	5.8517	15.111	5.8583	5	26	0.6	16	1.9	0.554
19.83	4.4737	19.83	4.4737	36	69	1.7	17	2	0.222
20.871	4.2528	20.878	4.2514	41	908	22.3	254	30.4	0.252
21.887	4.0575	21.889	4.0573	55	348	8.6	133	15.9	0.344
23.546	3.7754	23.533	3.7774	68	439	10.8	120	14.4	0.246
25.718	3.4612	25.718	3.4612	72	284	7	52	6.2	0.165
26.609	3.3473	26.627	3.3451	47	4070	100	835	100	0.185
27.608	3.2284	27.574	3.2323	42	1162	28.6	496	59.4	0.384
29.872	2.9887	29.871	2.9888	11	363	8.9	116	13.9	0.288
30.877	2.8937	30.854	2.8958	6	422	10.4	176	21.1	0.375
32.352	2.765	32.352	2.765	7	96	2.4	19	2.3	0.178
34.877	2.5704	34.867	2.5711	17	228	5.6	123	14.7	0.486
35.412	2.5328	35.407	2.5331	24	171	4.2	96	11.5	0.505
36.48	2.461	36.48	2.461	41	264	6.5	56	6.7	0.191
37.155	2.4178	37.175	2.4166	38	36	0.9	13	1.6	0.325
39.412	2.2844	39.412	2.2844	8	249	6.1	40	4.8	0.145
40.261	2.2382	40.261	2.2382	30	84	2.1	14	1.7	0.15
41.084	2.1952	41.084	2.1952	12	69	1.7	13	1.6	0.17
42.423	2.129	42.44	2.1282	27	171	4.2	45	5.4	0.237
44.957	2.0147	44.957	2.0147	6	57	1.4	11	1.3	0.174
45.743	1.9819	45.743	1.9819	9	109	2.7	24	2.9	0.198
49.368	1.8445	49.368	1.8445	7	77	1.9	13	1.6	0.152
50.09	1.8196	50.094	1.8195	9	379	9.3	93	11.1	0.221
50.811	1.7955	50.799	1.7959	8	226	5.6	116	13.9	0.462
54.964	1.6692	54.964	1.6692	74	190	4.7	30	3.6	0.142
58.931	1.566	58.931	1.566	7	11	0.3	4	0.5	0.327
59.927	1.5423	59.927	1.5423	18	248	6.1	53	6.3	0.192
61.885	1.4981	61.911	1.4975	14	68	1.7	41	4.9	0.543
63.986	1.4539	63.986	1.4539	10	62	1.5	15	1.8	0.218
67.687	1.3831	67.689	1.3831	6	183	4.5	62	7.4	0.305
68.126	1.3753	68.103	1.3757	8	234	5.7	95	11.4	0.365

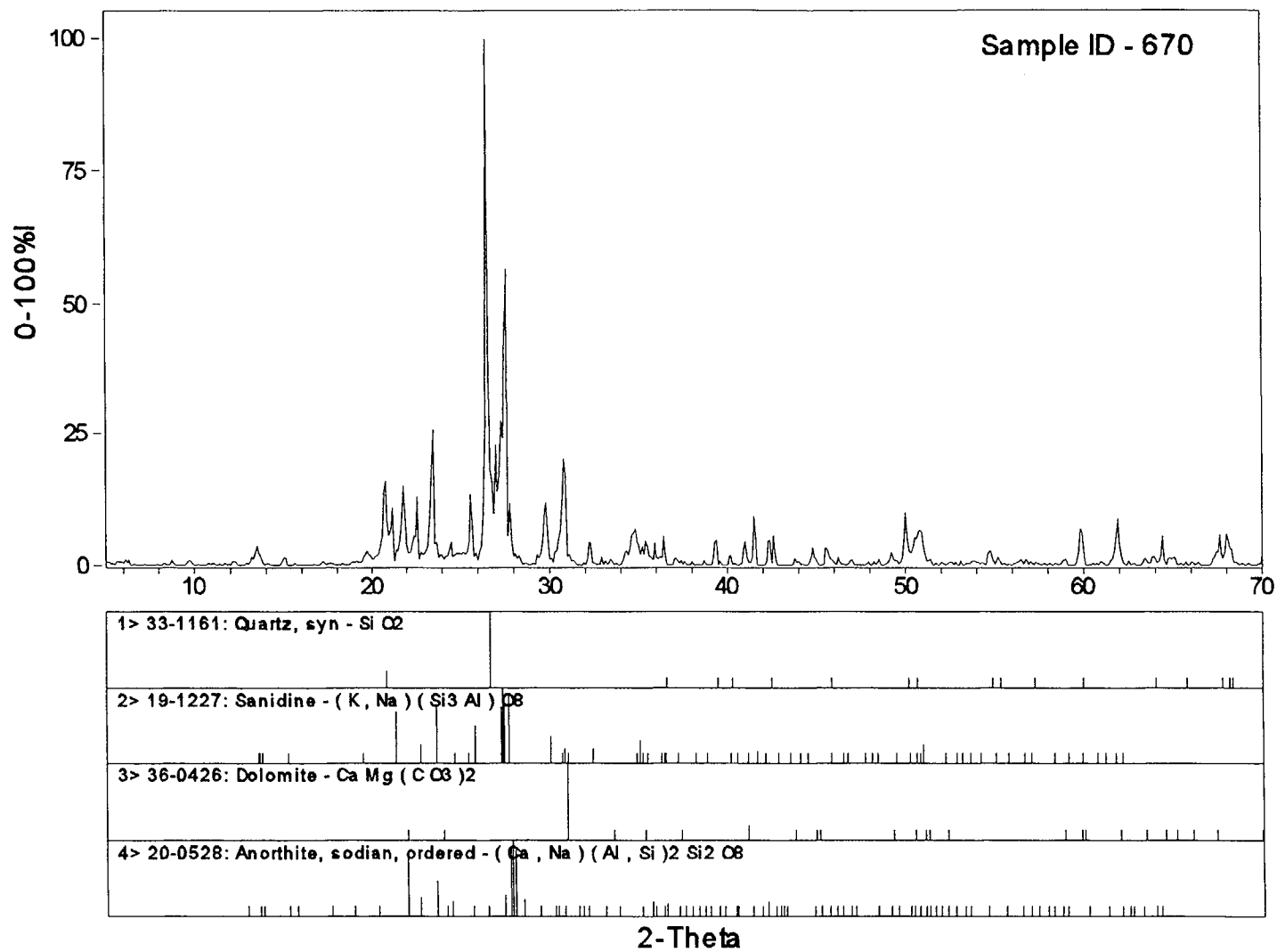
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Peak Analysis
Sample ID - 669

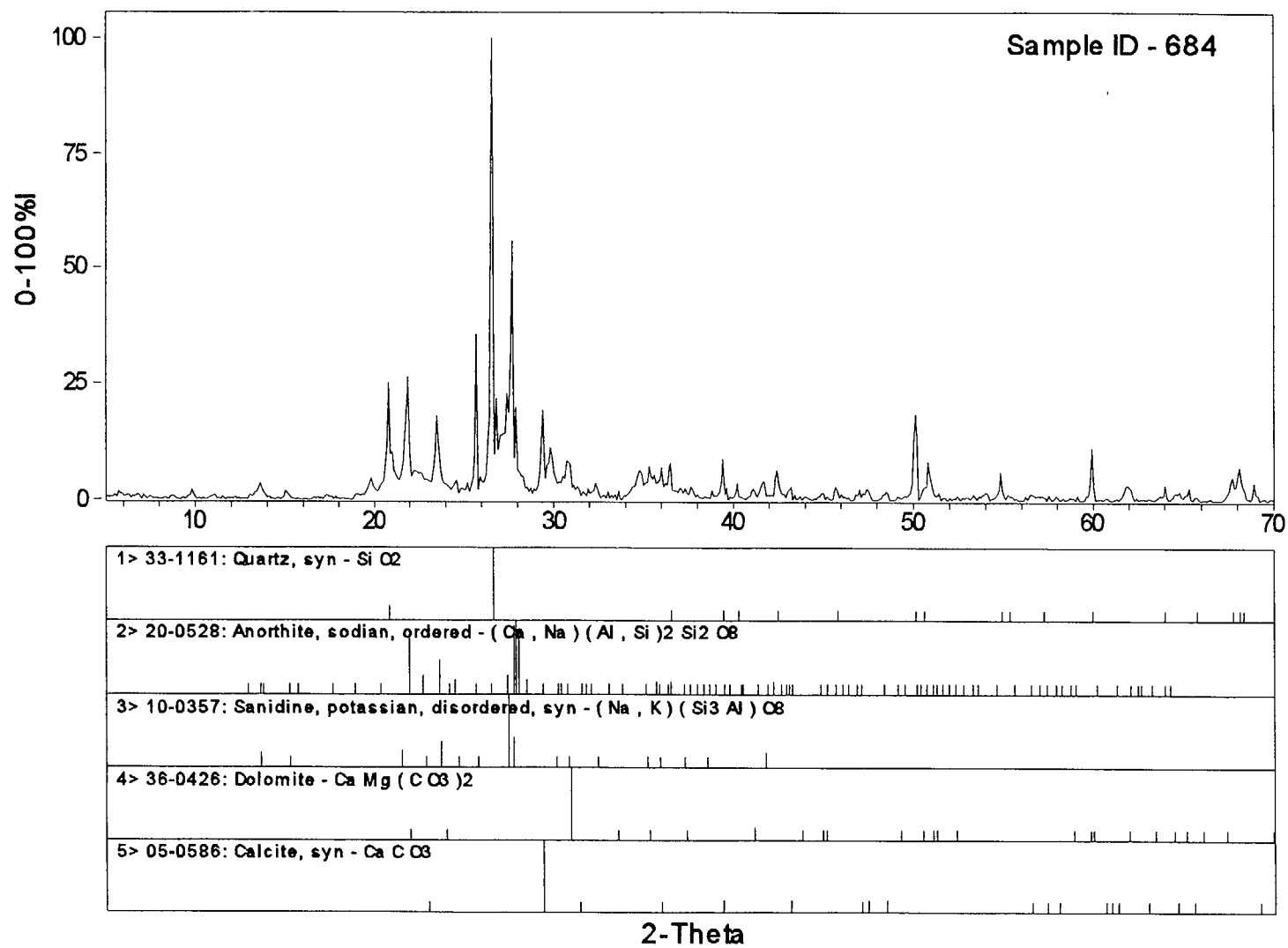
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.705	10.1497	8.705	10.1497	3	42	2	8	2.3	0.171
13.57	6.5202	13.549	6.53	3	186	9	44	12.8	0.213
17.345	5.1085	17.345	5.1085	9	9	0.4	2	0.6	0.2
20.787	4.2698	20.791	4.2689	39	565	27.2	194	56.4	0.309
21.86	4.0625	21.86	4.0625	62	155	7.5	30	8.7	0.174
22.489	3.9502	22.489	3.9502	72	95	4.6	29	8.4	0.275
23.449	3.7907	23.444	3.7915	72	566	27.2	144	41.9	0.229
25.635	3.4722	25.635	3.4722	150	287	13.8	53	15.4	0.166
26.54	3.3559	26.54	3.3559	1100	2078	100	344	100	0.149
29.769	2.9987	29.769	2.9987	42	418	20.1	116	33.7	0.25
30.793	2.9013	30.774	2.9031	40	765	36.8	268	77.9	0.315
32.262	2.7725	32.262	2.7725	41	139	6.7	25	7.3	0.162
34.731	2.5808	34.731	2.5808	84	161	7.7	71	20.6	0.397
35.395	2.5339	35.396	2.5339	48	148	7.1	54	15.7	0.328
36.435	2.464	36.435	2.464	66	286	13.8	56	16.3	0.176
39.321	2.2895	39.326	2.2892	18	230	11.1	47	13.7	0.184
40.161	2.2435	40.161	2.2435	25	102	4.9	17	4.9	0.15
40.999	2.1996	40.999	2.1996	12	206	9.9	63	18.3	0.275
41.553	2.1716	41.537	2.1724	10	326	15.7	85	24.7	0.235
42.339	2.133	42.339	2.1331	15	165	7.9	43	12.5	0.235
44.864	2.0187	44.864	2.0187	11	90	4.3	19	5.5	0.19
45.695	1.9839	45.695	1.9839	14	181	8.7	30	8.7	0.149
47.87	1.8987	47.87	1.8987	14	57	2.7	8	2.3	0.126
49.135	1.8527	49.135	1.8527	7	68	3.3	10	2.9	0.132
50.011	1.8223	50.01	1.8223	2	839	40.4	151	43.9	0.162
50.772	1.7968	50.752	1.7974	3	850	40.9	224	65.1	0.237
53.733	1.7045	53.733	1.7045	7	9	0.4	3	0.9	0.3
54.77	1.6747	54.77	1.6747	4	125	6	27	7.8	0.194
59.815	1.5449	59.804	1.5452	4	185	8.9	57	16.6	0.277
61.915	1.4975	61.915	1.4975	24	115	5.5	39	11.3	0.305
63.957	1.4545	63.957	1.4545	21	73	3.5	14	4.1	0.173
66.327	1.4082	66.327	1.4082	9	36	1.7	5	1.5	0.125
67.623	1.3843	67.673	1.3834	4	185	8.9	66	19.2	0.321
68.072	1.3762	68.038	1.3768	6	180	8.7	66	19.2	0.33

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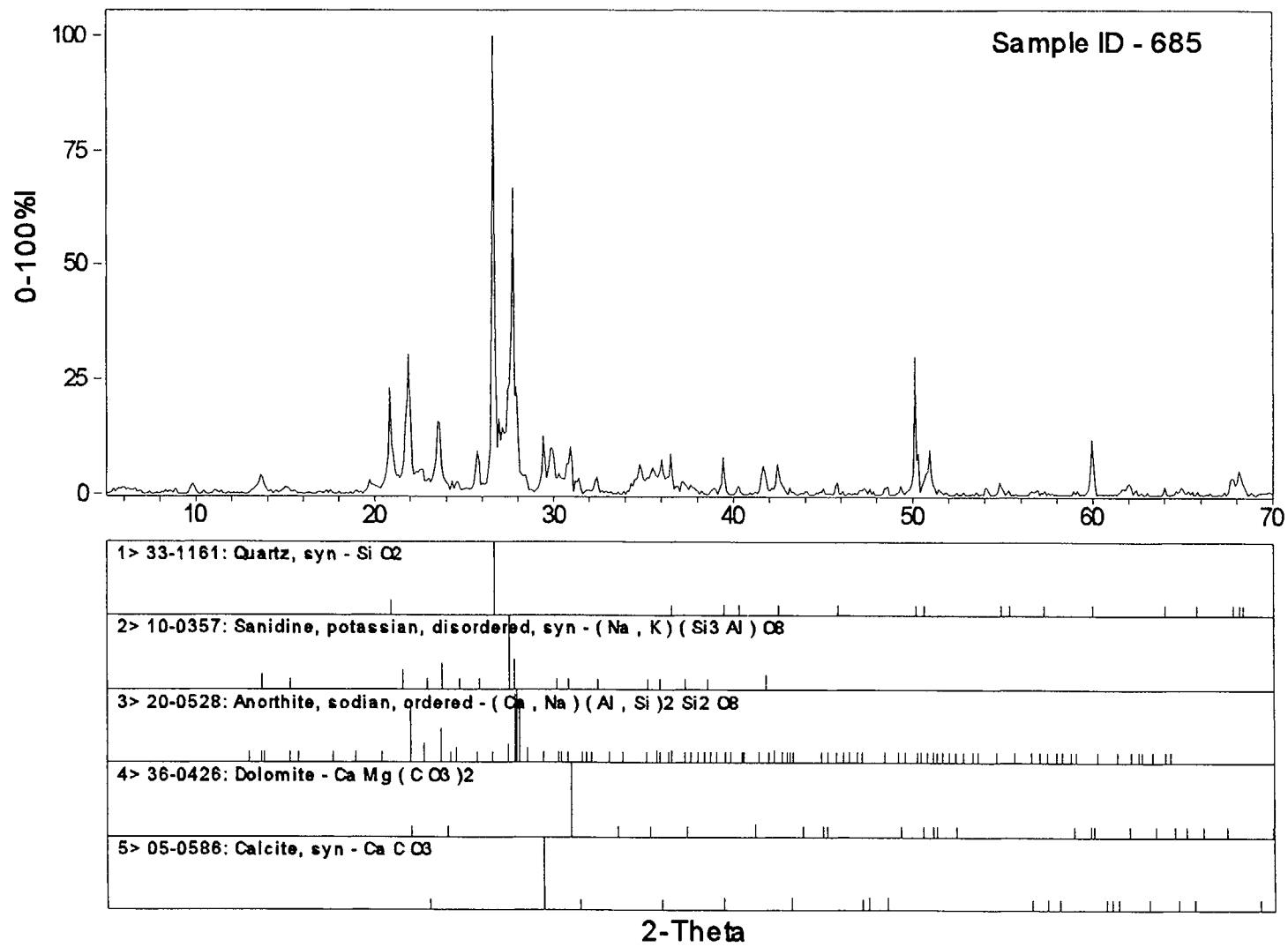
Peak Analysis
Sample ID - 670

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.721	10.1308	8.721	10.1308	10	22	0.7	3	0.4	0.123
12.2	7.2489	12.2	7.2489	7	20	0.6	5	0.7	0.225
13.507	6.5504	13.491	6.5579	4	117	3.6	41	5.9	0.315
15.019	5.8942	15.019	5.8942	2	49	1.5	12	1.7	0.22
20.775	4.2723	20.775	4.2723	133	401	12.3	99	14.3	0.222
21.809	4.072	21.809	4.072	172	331	10.2	64	9.2	0.174
23.472	3.787	23.472	3.787	110	746	22.9	162	23.3	0.195
25.611	3.4755	25.611	3.4755	62	389	11.9	70	10.1	0.162
26.517	3.3587	26.548	3.3548	54	3257	100	694	100	0.192
27.574	3.2323	27.575	3.2321	33	1836	56.4	527	75.9	0.258
29.765	2.9992	29.762	2.9994	24	372	11.4	110	15.9	0.266
30.789	2.9017	30.783	2.9023	16	653	20	240	34.6	0.331
32.237	2.7746	32.237	2.7746	16	129	4	28	4	0.195
34.289	2.6131	34.289	2.6131	18	73	2.2	23	3.3	0.284
34.777	2.5775	34.775	2.5777	10	222	6.8	126	18.2	0.511
35.413	2.5327	35.411	2.5329	15	138	4.2	48	6.9	0.313
39.35	2.2879	39.35	2.2879	51	107	3.3	21	3	0.177
40.153	2.244	40.153	2.244	23	39	1.2	7	1	0.162
40.969	2.2011	40.969	2.2011	20	130	4	25	3.6	0.173
41.526	2.1729	41.526	2.1729	46	263	8.1	39	5.6	0.133
42.626	2.1193	42.626	2.1193	23	163	5	22	3.2	0.121
44.813	2.0209	44.814	2.0208	4	110	3.4	26	3.7	0.213
45.546	1.99	45.546	1.99	7	103	3.2	20	2.9	0.175
46.953	1.9336	46.953	1.9336	10	25	0.8	5	0.7	0.18
49.201	1.8504	49.201	1.8504	12	72	2.2	15	2.2	0.188
50.011	1.8223	50.03	1.8217	7	327	10	85	12.2	0.234
50.791	1.7961	50.744	1.7977	10	213	6.5	142	20.5	0.6
53.8	1.7026	53.8	1.7026	13	17	0.5	4	0.6	0.212
54.73	1.6758	54.73	1.6758	21	71	2.2	20	2.9	0.254
56.465	1.6284	56.465	1.6284	8	32	1	5	0.7	0.141
58.956	1.5654	58.956	1.5654	13	28	0.9	5	0.7	0.161
59.841	1.5443	59.841	1.5443	22	213	6.5	55	7.9	0.232
61.886	1.4981	61.875	1.4983	10	288	8.8	75	10.8	0.234
63.899	1.4557	63.899	1.4557	8	49	1.5	14	2	0.257
64.378	1.446	64.378	1.446	7	181	5.6	28	4	0.139
67.579	1.3851	67.585	1.385	3	189	5.8	65	9.4	0.31
68.032	1.377	68.022	1.3771	5	196	6	83	12	0.381



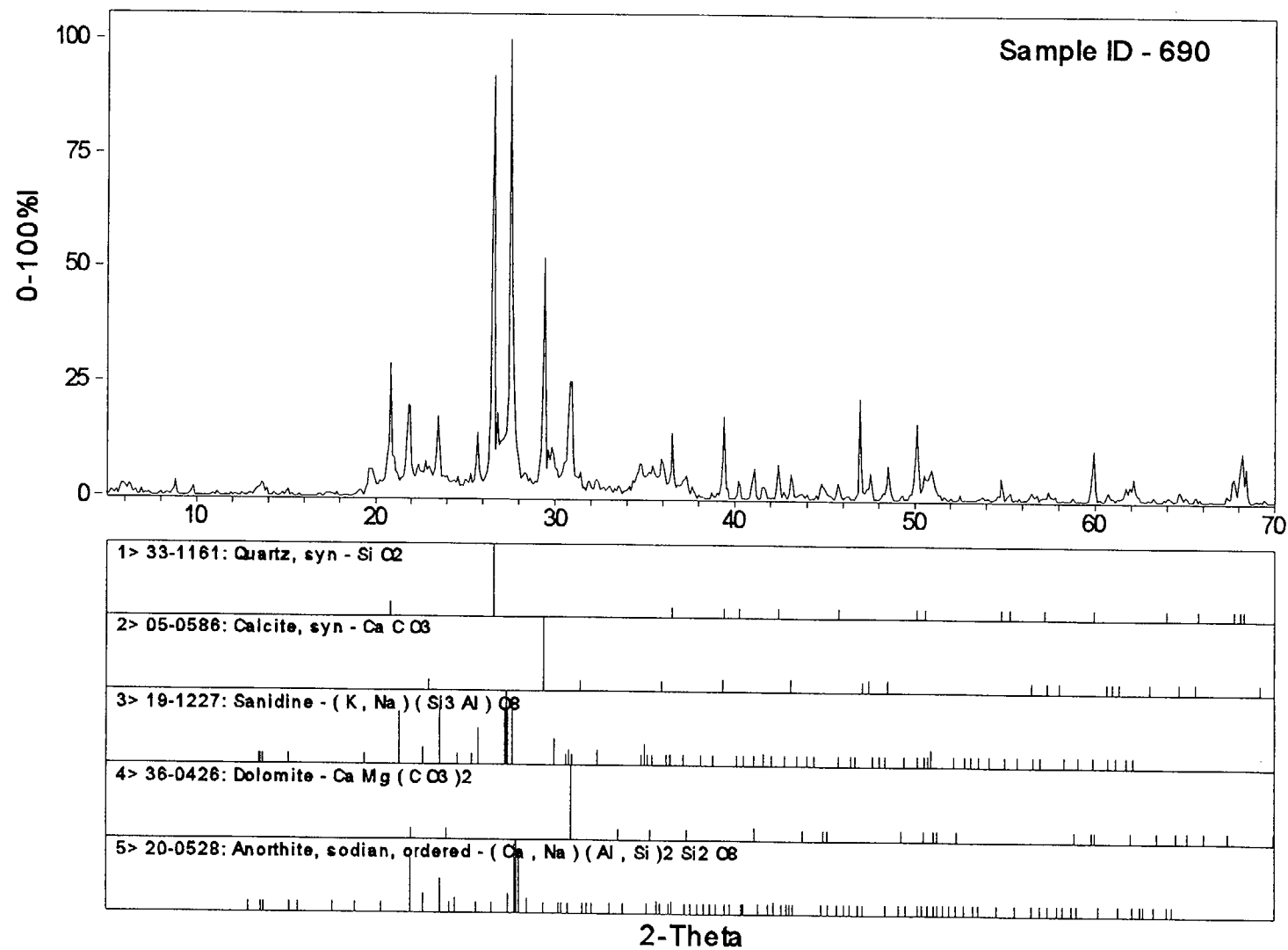
Peak Analysis
Sample ID - 684

Peak	Centroid				Bkgrnd	Peak	Intensity	Intensity		
Position		Position								
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM	
6.781	13.0253	6.781	13.0253	18	15	0.5	3	0.4	0.18	
8.737	10.1124	8.737	10.1124	6	20	0.7	6	0.9	0.27	
9.782	9.035	9.775	9.0411	6	60	2.1	13	1.9	0.195	
13.599	6.506	13.578	6.516	8	99	3.4	41	6	0.373	
15.062	5.8775	15.062	5.8775	4	54	1.9	13	1.9	0.217	
18.974	4.6734	18.974	4.6734	19	17	0.6	4	0.6	0.212	
19.764	4.4883	19.764	4.4883	50	90	3.1	24	3.5	0.24	
20.808	4.2656	20.822	4.2627	111	638	22	147	21.4	0.207	
21.856	4.0634	21.877	4.0594	88	699	24.1	301	43.9	0.388	
23.503	3.7822	23.51	3.781	108	427	14.7	107	15.6	0.226	
26.57	3.3521	26.573	3.3517	73	2900	100	686	100	0.213	
27.678	3.2204	27.679	3.2203	195	1469	50.7	300	43.7	0.184	
29.376	3.038	29.377	3.0378	66	506	17.4	115	16.8	0.205	
29.796	2.9961	29.798	2.9959	56	279	9.6	122	17.8	0.394	
30.713	2.9087	30.69	2.9108	44	206	7.1	121	17.6	0.529	
32.306	2.7689	32.306	2.7689	43	67	2.3	13	1.9	0.175	
34.784	2.5771	34.789	2.5767	44	142	4.9	81	11.8	0.513	
35.316	2.5394	35.31	2.5399	48	165	5.7	93	13.6	0.507	
35.99	2.4934	35.973	2.4945	31	181	6.2	71	10.3	0.353	
36.458	2.4625	36.458	2.4625	113	127	4.4	22	3.2	0.156	
37.643	2.3877	37.643	2.3877	51	35	1.2	6	0.9	0.154	
39.374	2.2865	39.374	2.2865	30	237	8.2	34	5	0.129	
41.652	2.1666	41.652	2.1666	38	84	2.9	16	2.3	0.171	
42.407	2.1298	42.407	2.1298	32	161	5.6	38	5.5	0.212	
43.163	2.0942	43.163	2.0942	41	44	1.5	7	1	0.143	
44.957	2.0147	44.957	2.0147	4	45	1.6	9	1.3	0.18	
45.709	1.9833	45.709	1.9833	5	84	2.9	20	2.9	0.214	
46.991	1.9321	46.991	1.9321	1	71	2.4	12	1.7	0.152	
47.45	1.9145	47.45	1.9145	2	66	2.3	21	3.1	0.286	
48.444	1.8775	48.444	1.8775	10	46	1.6	13	1.9	0.254	
50.103	1.8192	50.103	1.8192	129	419	14.4	95	13.8	0.204	
50.831	1.7948	50.831	1.7948	96	156	5.4	23	3.4	0.133	
53.961	1.6979	53.961	1.6979	17	36	1.2	11	1.6	0.275	
54.798	1.6739	54.796	1.674	13	172	5.9	33	4.8	0.173	
56.548	1.6262	56.548	1.6262	8	35	1.2	11	1.6	0.283	
59.889	1.5432	59.889	1.5432	25	311	10.7	47	6.9	0.136	
61.908	1.4976	61.9	1.4978	13	84	2.9	36	5.2	0.386	
63.963	1.4544	63.963	1.4544	8	95	3.3	15	2.2	0.142	
64.784	1.4379	64.784	1.4379	9	48	1.7	12	1.7	0.225	
67.704	1.3828	67.703	1.3828	6	145	5	58	8.5	0.36	
68.092	1.3759	68.08	1.3761	8	205	7.1	76	11.1	0.334	
68.937	1.3611	68.937	1.3611	12	104	3.6	16	2.3	0.138	



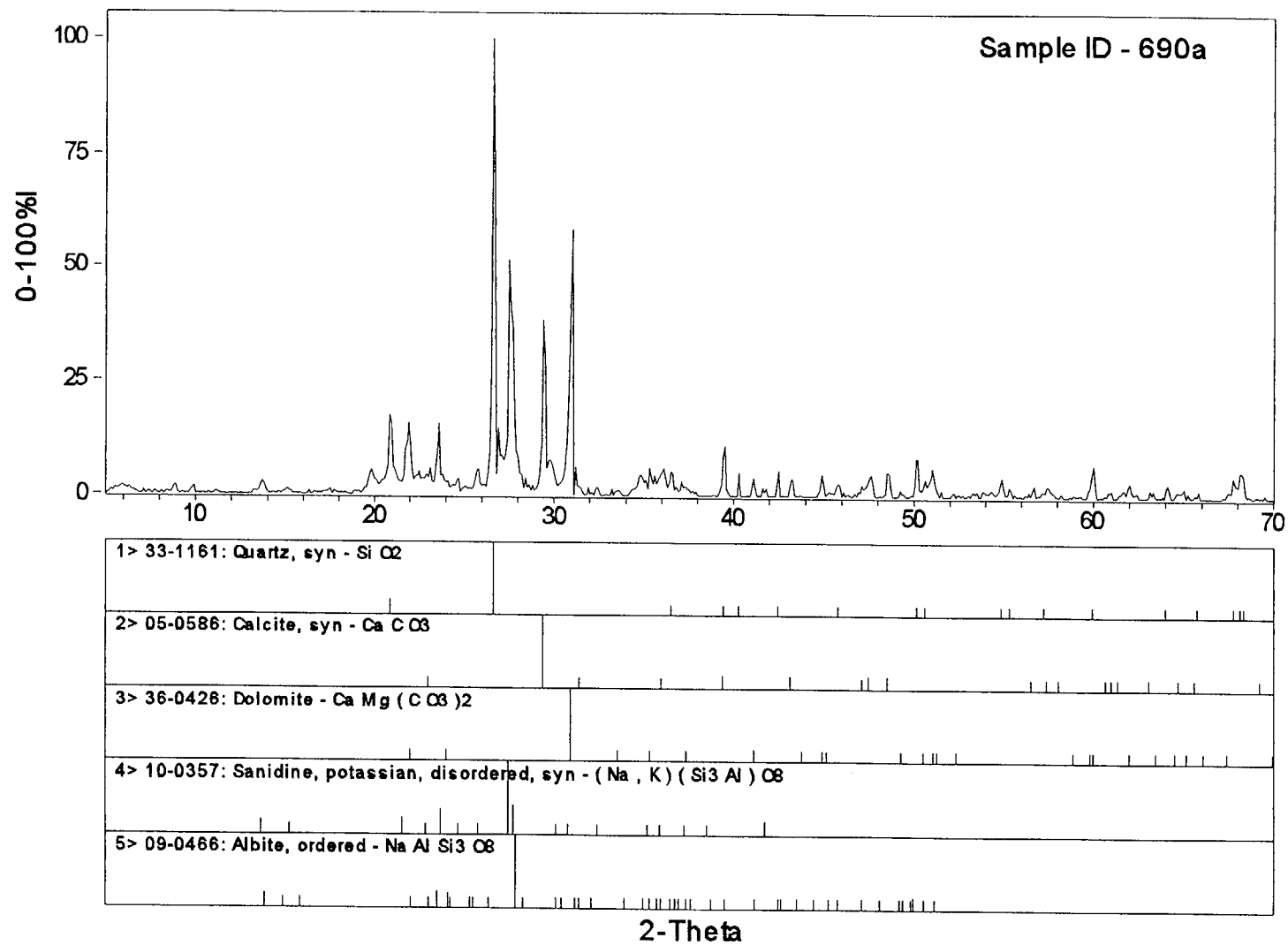
Peak Analysis
Sample ID - 685

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
8.285	10.6632	8.285	10.6632	6	19	0.6	3	0.4	0.142	
9.785	9.0322	9.785	9.0322	5	64	2.1	18	2.6	0.253	
13.609	6.5015	13.567	6.5215	9	122	4	53	7.6	0.391	
16.897	5.2431	16.897	5.2431	5	11	0.4	3	0.4	0.245	
19.732	4.4956	19.732	4.4956	26	75	2.4	18	2.6	0.216	
20.817	4.2636	20.851	4.2569	55	671	21.9	172	24.7	0.231	
21.874	4.06	21.869	4.0608	78	874	28.5	288	41.3	0.297	
22.568	3.9366	22.568	3.9366	97	71	2.3	25	3.6	0.317	
23.531	3.7777	23.536	3.7769	86	405	13.2	120	17.2	0.267	
24.592	3.617	24.592	3.617	48	39	1.3	8	1.1	0.185	
25.718	3.4612	25.718	3.4612	113	177	5.8	33	4.7	0.168	
26.607	3.3476	26.606	3.3476	44	3066	100	636	91.2	0.187	
27.692	3.2188	27.648	3.2238	62	2017	65.8	697	100	0.311	
29.414	3.0342	29.414	3.0342	42	350	11.4	74	10.6	0.19	
29.837	2.9921	29.826	2.9932	21	289	9.4	149	21.4	0.464	
30.859	2.8953	30.859	2.8953	19	305	9.9	88	12.6	0.26	
32.362	2.7641	32.362	2.7641	12	110	3.6	26	3.7	0.213	
34.798	2.576	34.79	2.5766	34	171	5.6	75	10.8	0.395	
35.507	2.5262	35.504	2.5264	34	150	4.9	151	21.7	0.906	
35.992	2.4933	35.995	2.493	40	196	6.4	105	15.1	0.482	
36.479	2.4611	36.479	2.4611	64	213	6.9	39	5.6	0.165	
37.787	2.3789	37.787	2.3789	27	21	0.7	6	0.9	0.257	
39.406	2.2848	39.406	2.2848	16	238	7.8	41	5.9	0.155	
40.246	2.239	40.246	2.239	6	51	1.7	11	1.6	0.194	
41.633	2.1676	41.644	2.167	14	184	6	56	8	0.274	
42.441	2.1281	42.443	2.128	20	192	6.3	60	8.6	0.281	
44.984	2.0136	44.984	2.0136	7	42	1.4	6	0.9	0.129	
45.761	1.9812	45.761	1.9812	8	76	2.5	14	2	0.166	
48.556	1.8735	48.556	1.8735	16	40	1.3	7	1	0.157	
49.303	1.8468	49.303	1.8468	14	54	1.8	9	1.3	0.15	
50.106	1.8191	50.103	1.8192	5	933	30.4	157	22.5	0.151	
50.882	1.7931	50.848	1.7943	5	303	9.9	101	14.5	0.3	
54.049	1.6953	54.049	1.6953	18	35	1.1	7	1	0.18	
54.824	1.6732	54.824	1.6732	10	83	2.7	17	2.4	0.184	
59.924	1.5424	59.922	1.5424	19	357	11.6	73	10.5	0.184	
61.968	1.4963	61.968	1.4963	7	73	2.4	22	3.2	0.271	
67.727	1.3824	67.727	1.3824	9	108	3.5	37	5.3	0.308	
68.113	1.3755	68.11	1.3756	12	160	5.2	63	9	0.354	



Peak Analysis
Sample ID - 690

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d							
5.863	15.0618	5.863	15.0618	8	55	2.3	18	2.9	0.295	
8.76	10.0863	8.76	10.0863	4	77	3.2	13	2.1	0.152	
13.58	6.5152	13.566	6.522	12	61	2.6	25	4	0.369	
19.713	4.4999	19.713	4.4999	52	91	3.8	33	5.2	0.326	
20.793	4.2685	20.793	4.2686	79	638	26.8	135	21.5	0.19	
21.816	4.0706	21.816	4.0706	112	379	15.9	105	16.7	0.249	
22.809	3.8956	22.809	3.8956	88	104	4.4	19	3	0.164	
23.496	3.7833	23.496	3.7833	93	338	14.2	72	11.4	0.192	
25.694	3.4644	25.694	3.4644	88	259	10.9	41	6.5	0.142	
26.573	3.3518	26.579	3.3509	88	2180	91.6	500	79.5	0.206	
27.527	3.2378	27.512	3.2394	83	2381	100	629	100	0.238	
29.374	3.0382	29.38	3.0376	85	1204	50.6	243	38.6	0.182	
29.805	2.9953	29.802	2.9955	69	203	8.5	90	14.3	0.399	
30.84	2.8971	30.826	2.8983	73	551	23.1	205	32.6	0.335	
31.852	2.8073	31.852	2.8073	57	30	1.3	6	1	0.18	
33.004	2.7119	33.004	2.7119	43	19	0.8	3	0.5	0.142	
34.706	2.5827	34.715	2.582	51	133	5.6	69	11	0.467	
35.4	2.5336	35.4	2.5336	62	111	4.7	46	7.3	0.373	
35.917	2.4983	35.87	2.5015	26	186	7.8	81	12.9	0.392	
36.499	2.4598	36.499	2.4598	78	273	11.5	38	6	0.125	
37.24	2.4126	37.24	2.4126	48	72	3	17	2.7	0.212	
39.381	2.2862	39.38	2.2862	17	422	17.7	76	12.1	0.162	
40.232	2.2398	40.232	2.2398	16	81	3.4	14	2.2	0.156	
41.034	2.1978	41.034	2.1978	5	159	6.7	34	5.4	0.192	
41.596	2.1694	41.596	2.1694	16	46	1.9	13	2.1	0.254	
42.415	2.1294	42.415	2.1294	24	162	6.8	30	4.8	0.167	
43.127	2.0959	43.127	2.0959	16	116	4.9	20	3.2	0.155	
44.844	2.0195	44.844	2.0195	23	64	2.7	17	2.7	0.239	
45.723	1.9827	45.723	1.9827	10	79	3.3	15	2.4	0.171	
46.922	1.9348	46.929	1.9345	11	530	22.3	77	12.2	0.131	
47.462	1.9141	47.462	1.9141	18	123	5.2	25	4	0.183	
48.487	1.876	48.487	1.876	8	172	7.2	35	5.6	0.183	
50.086	1.8198	50.087	1.8197	12	393	16.5	99	15.7	0.227	
50.884	1.7931	50.86	1.7939	14	150	6.3	68	10.8	0.408	
54.822	1.6732	54.822	1.6732	19	98	4.1	14	2.2	0.129	
56.501	1.6274	56.501	1.6274	9	37	1.6	8	1.3	0.195	
59.862	1.5438	59.862	1.5438	17	253	10.6	47	7.5	0.167	
61.702	1.5021	61.702	1.5021	9	69	2.9	17	2.7	0.222	
62.1	1.4934	62.1	1.4934	7	113	4.7	30	4.8	0.239	
64.648	1.4406	64.648	1.4406	5	47	2	10	1.6	0.191	
67.7	1.3829	67.7	1.3829	13	113	4.7	30	4.8	0.239	
68.186	1.3742	68.189	1.3742	13	251	10.5	80	12.7	0.287	

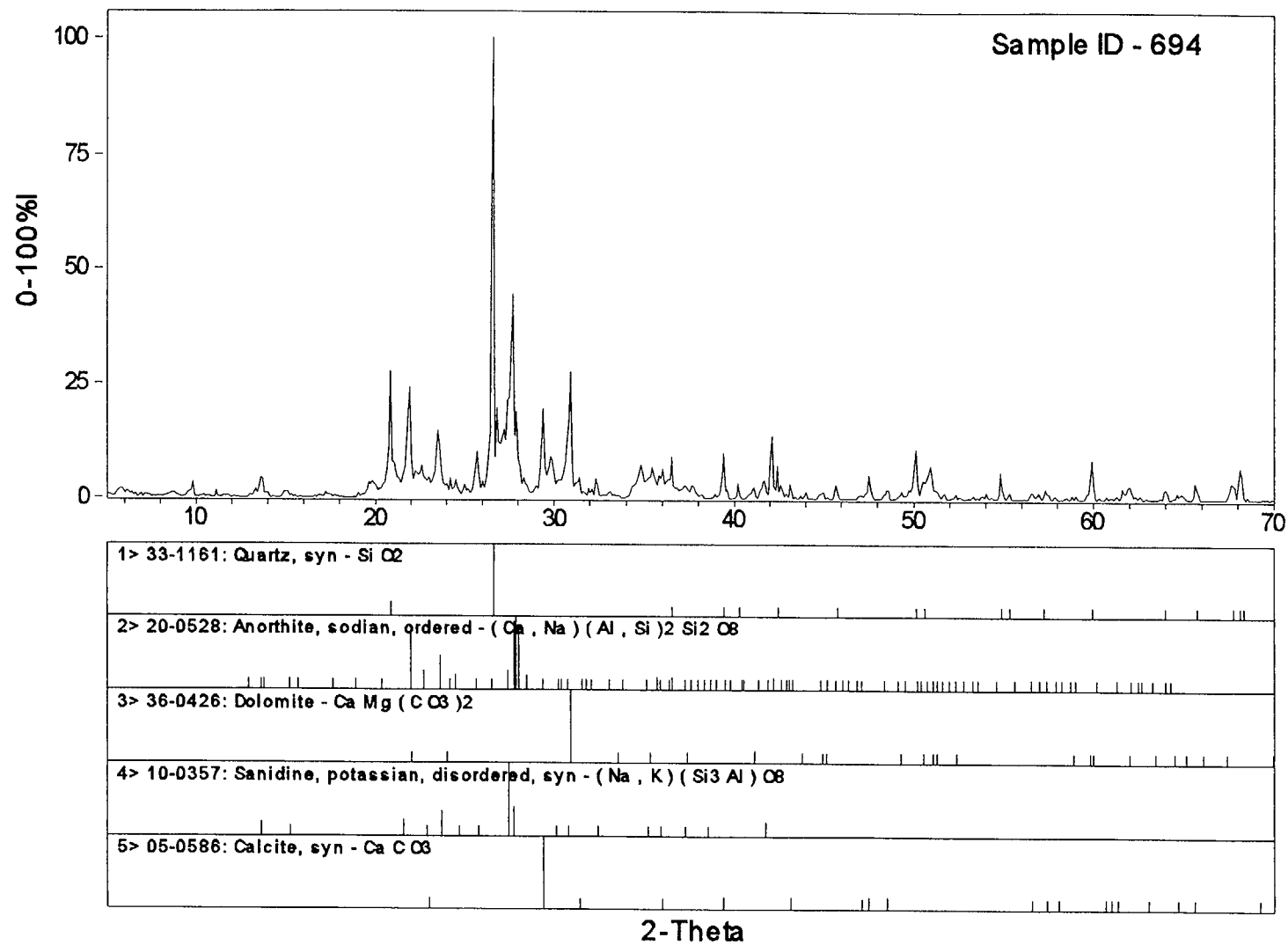


Peak Analysis

Sample ID -
690a

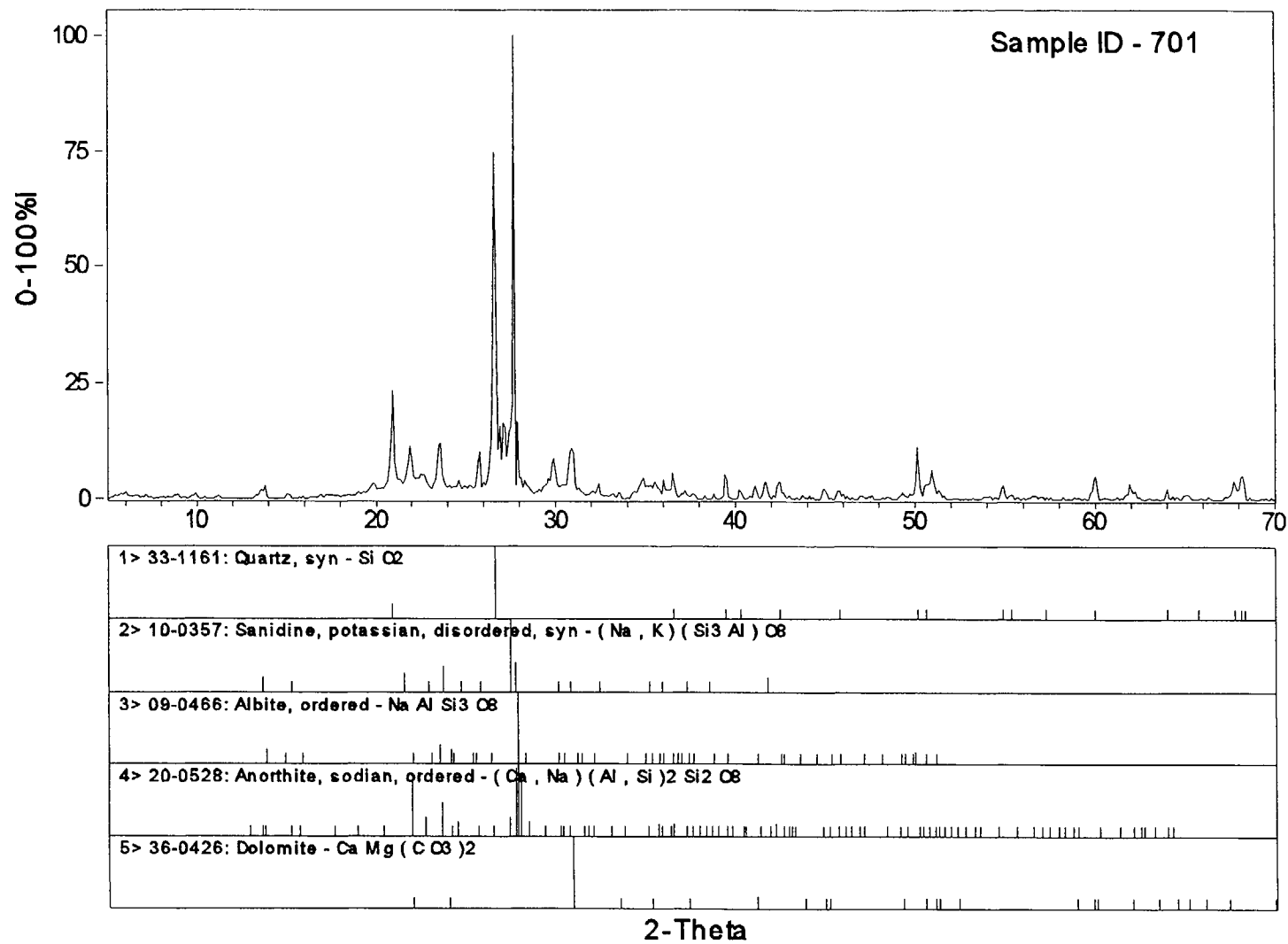
Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.855	9.9785	8.855	9.9785	6	47	1.8	9	1.6	0.172
9.861	8.9627	9.861	8.9627	16	31	1.2	5	0.9	0.145
13.701	6.4578	13.694	6.4611	3	76	2.9	26	4.7	0.308
17.392	5.095	17.392	5.095	5	18	0.7	7	1.3	0.35
19.788	4.483	19.805	4.4792	51	99	3.7	31	5.6	0.282
20.83	4.2611	20.83	4.261	67	408	15.4	120	21.5	0.265
21.876	4.0596	21.868	4.0611	85	342	12.9	108	19.4	0.284
23.086	3.8495	23.086	3.8495	70	90	3.4	14	2.5	0.14
23.579	3.7702	23.581	3.7698	89	334	12.6	60	10.8	0.162
24.658	3.6076	24.658	3.6076	50	46	1.7	8	1.4	0.157
25.754	3.4565	25.754	3.4565	71	82	3.1	15	2.7	0.165
26.618	3.3462	26.618	3.3462	69	2644	100	547	98.2	0.186
27.559	3.234	27.559	3.234	46	1359	51.4	557	100	0.369
29.423	3.0332	29.423	3.0332	164	881	33.3	166	29.8	0.17
30.963	2.8858	30.963	2.8858	558	1026	38.8	164	29.4	0.144
32.391	2.7618	32.391	2.7618	15	33	1.2	7	1.3	0.191
34.805	2.5756	34.782	2.5772	23	101	3.8	45	8.1	0.401
36.066	2.4883	36.08	2.4874	8	156	5.9	99	17.8	0.571
36.532	2.4577	36.532	2.4577	58	86	3.3	18	3.2	0.188
39.454	2.2821	39.447	2.2825	8	290	11	64	11.5	0.199
41.106	2.1941	41.106	2.1941	16	92	3.5	15	2.7	0.147
42.469	2.1268	42.469	2.1268	44	108	4.1	16	2.9	0.133
43.223	2.0915	43.223	2.0915	12	93	3.5	22	3.9	0.213
44.9	2.0172	44.9	2.0172	14	119	4.5	22	3.9	0.166
45.804	1.9794	45.804	1.9794	29	49	1.9	11	2	0.202
47.557	1.9104	47.528	1.9116	4	126	4.8	42	7.5	0.3
48.563	1.8732	48.563	1.8732	12	133	5	30	5.4	0.203
50.146	1.8177	50.146	1.8177	6	219	8.3	53	9.5	0.218
50.989	1.7896	50.97	1.7902	10	158	6	55	9.9	0.313
54.876	1.6717	54.876	1.6717	17	100	3.8	21	3.8	0.189
56.663	1.6232	56.663	1.6232	5	64	2.4	10	1.8	0.141
57.488	1.6018	57.462	1.6025	3	62	2.3	30	5.4	0.435
59.954	1.5417	59.954	1.5417	16	173	6.5	40	7.2	0.208
60.957	1.5187	60.957	1.5187	13	28	1.1	5	0.9	0.161
61.985	1.4959	61.988	1.4959	2	86	3.3	26	4.7	0.272
64.087	1.4518	64.087	1.4518	18	61	2.3	12	2.2	0.177
67.738	1.3822	67.751	1.382	4	122	4.6	45	8.1	0.332
68.132	1.3752	68.128	1.3752	4	150	5.7	63	11.3	0.378

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Peak Analysis
Sample ID - 694

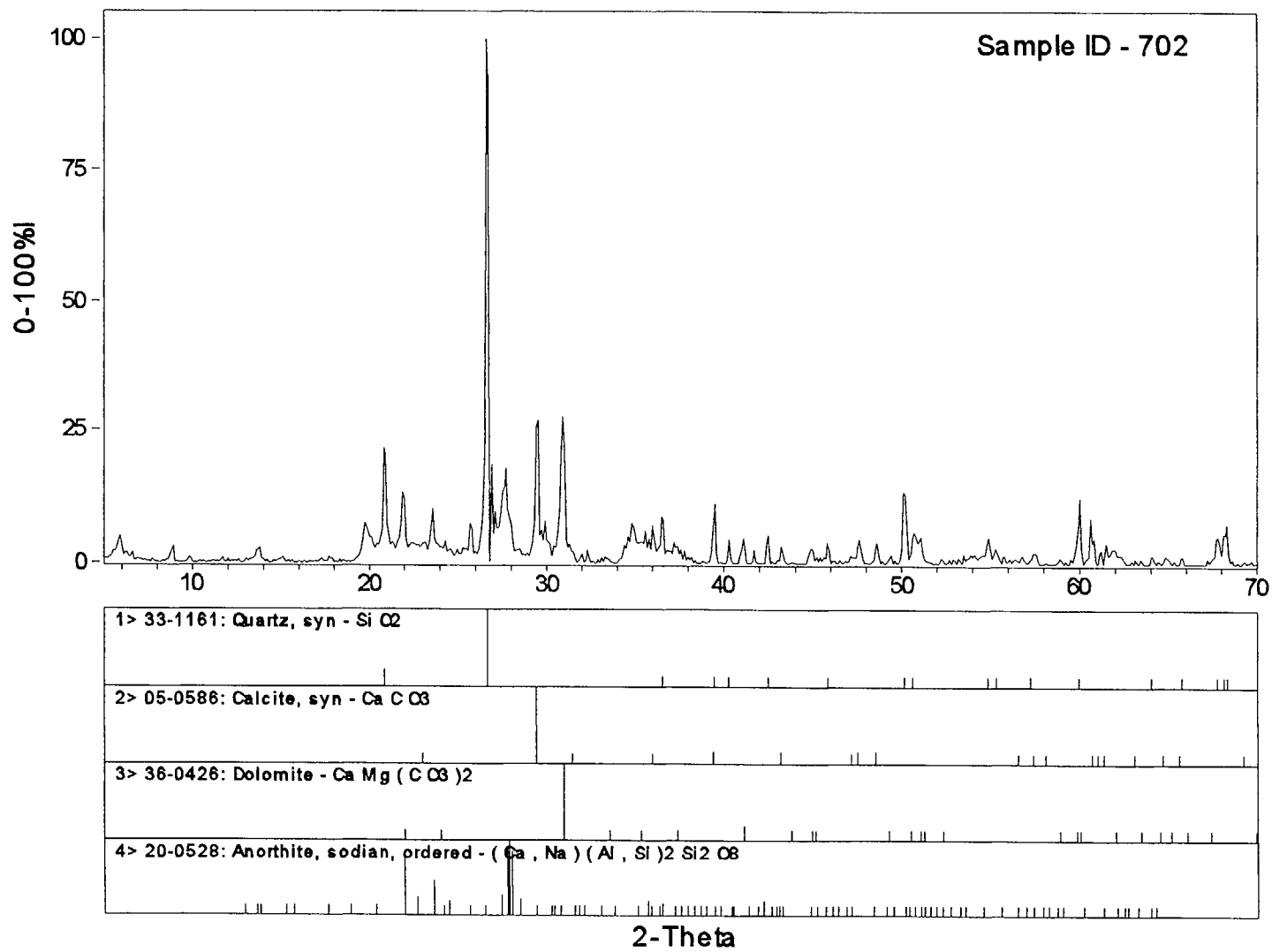
Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.775	9.0413	9.775	9.0413	5	88	3.3	12	2	0.123
13.612	6.4998	13.598	6.5065	6	114	4.3	40	6.7	0.316
19.796	4.4813	19.769	4.4873	46	53	2	18	3	0.306
20.797	4.2677	20.812	4.2647	87	668	25	129	21.5	0.174
21.855	4.0636	21.877	4.0594	68	591	22.1	200	33.4	0.305
22.576	3.9354	22.576	3.9354	98	95	3.6	23	3.8	0.218
23.513	3.7806	23.512	3.7807	89	311	11.6	86	14.4	0.249
25.673	3.4672	25.673	3.4672	88	187	7	36	6	0.173
26.573	3.3517	26.595	3.349	40	2672	100	599	100	0.202
27.685	3.2196	27.654	3.2231	58	1157	43.3	454	75.8	0.353
29.373	3.0383	29.373	3.0383	61	468	17.5	107	17.9	0.206
29.807	2.995	29.806	2.9951	39	210	7.9	82	13.7	0.351
30.853	2.8959	30.858	2.8954	33	720	26.9	238	39.7	0.297
34.789	2.5767	34.796	2.5762	24	177	6.6	105	17.5	0.534
35.396	2.5339	35.387	2.5345	30	155	5.8	126	21	0.732
35.966	2.495	35.966	2.495	14	162	6.1	39	6.5	0.217
37.237	2.4127	37.237	2.4127	44	32	1.2	8	1.3	0.225
39.381	2.2862	39.378	2.2864	14	257	9.6	48	8	0.168
41.055	2.1967	41.055	2.1967	15	51	1.9	9	1.5	0.159
41.653	2.1666	41.662	2.1661	10	99	3.7	35	5.8	0.318
42.084	2.1454	42.084	2.1454	12	361	13.5	70	11.7	0.175
42.396	2.1303	42.396	2.1303	13	184	6.9	25	4.2	0.122
43.123	2.096	43.123	2.096	18	21	0.8	9	1.5	0.386
44.868	2.0185	44.868	2.0185	13	20	0.7	8	1.3	0.36
45.688	1.9842	45.688	1.9842	13	72	2.7	12	2	0.15
47.499	1.9126	47.491	1.9129	7	136	5.1	27	4.5	0.179
48.49	1.8759	48.49	1.8759	13	42	1.6	12	2	0.257
50.07	1.8203	50.073	1.8202	6	288	10.8	77	12.9	0.241
50.878	1.7933	50.867	1.7936	9	188	7	85	14.2	0.407
54.816	1.6734	54.816	1.6734	10	150	5.6	22	3.7	0.132
56.578	1.6254	56.578	1.6254	6	31	1.2	10	1.7	0.29
57.354	1.6052	57.354	1.6052	6	59	2.2	13	2.2	0.198
59.881	1.5434	59.881	1.5434	23	211	7.9	40	6.7	0.171
61.964	1.4964	61.964	1.4964	11	71	2.7	20	3.3	0.254
63.987	1.4539	63.987	1.4539	9	53	2	12	2	0.204
65.649	1.421	65.649	1.421	10	91	3.4	18	3	0.178
67.648	1.3838	67.65	1.3838	9	92	3.4	30	5	0.293
68.114	1.3755	68.114	1.3755	12	175	6.5	39	6.5	0.201



Peak Analysis
Sample ID - 701

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
7.096	12.4478	7.096	12.4478	5	25	0.9	5	0.7	0.18
9.845	8.9771	9.845	8.9771	5	40	1.4	9	1.3	0.203
13.776	6.423	13.776	6.423	3	108	3.8	19	2.7	0.158
19.805	4.4792	19.805	4.4792	88	42	1.5	10	1.4	0.214
20.881	4.2507	20.9	4.247	86	831	29.4	217	31.3	0.235
21.899	4.0554	21.913	4.0529	101	347	12.3	167	24.1	0.433
22.52	3.945	22.511	3.9465	107	100	3.5	56	8.1	0.504
23.554	3.774	23.543	3.7759	103	370	13.1	109	15.7	0.265
25.762	3.4554	25.762	3.4554	203	200	7.1	32	4.6	0.144
26.613	3.3468	26.612	3.3469	90	2823	100	693	100	0.221
29.887	2.9872	29.89	2.9869	47	297	10.5	139	20.1	0.421
30.884	2.893	30.866	2.8946	40	388	13.7	192	27.7	0.445
32.364	2.764	32.364	2.764	30	103	3.6	18	2.6	0.157
34.363	2.6077	34.363	2.6077	24	32	1.1	10	1.4	0.281
34.884	2.5699	34.893	2.5692	13	167	5.9	90	13	0.485
35.507	2.5262	35.505	2.5264	18	129	4.6	63	9.1	0.44
36.525	2.4581	36.525	2.4581	71	151	5.3	22	3.2	0.131
37.633	2.3883	37.633	2.3883	14	31	1.1	6	0.9	0.174
39.438	2.283	39.444	2.2826	3	210	7.4	43	6.2	0.184
40.261	2.2382	40.261	2.2382	6	73	2.6	15	2.2	0.185
41.099	2.1945	41.099	2.1945	14	104	3.7	20	2.9	0.173
41.658	2.1663	41.658	2.1663	17	135	4.8	34	4.9	0.227
42.457	2.1274	42.46	2.1272	16	136	4.8	43	6.2	0.285
44.949	2.015	44.949	2.015	15	78	2.8	19	2.7	0.219
45.773	1.9807	45.773	1.9807	11	65	2.3	19	2.7	0.263
49.288	1.8473	49.288	1.8473	18	41	1.5	7	1	0.154
50.124	1.8185	50.121	1.8186	3	444	15.7	105	15.2	0.213
50.903	1.7925	50.893	1.7928	4	249	8.8	126	18.2	0.455
54.855	1.6723	54.855	1.6723	20	101	3.6	22	3.2	0.196
56.997	1.6144	56.997	1.6144	13	12	0.4	3	0.4	0.225
59.95	1.5418	59.95	1.5418	25	169	6	42	6.1	0.224
61.921	1.4973	61.934	1.497	8	130	4.6	38	5.5	0.263
63.984	1.4539	63.984	1.4539	3	88	3.1	14	2	0.143
65.069	1.4323	65.067	1.4323	7	38	1.3	13	1.9	0.308
67.726	1.3824	67.747	1.382	9	155	5.5	61	8.8	0.354
68.163	1.3746	68.163	1.3746	9	192	6.8	58	8.4	0.272

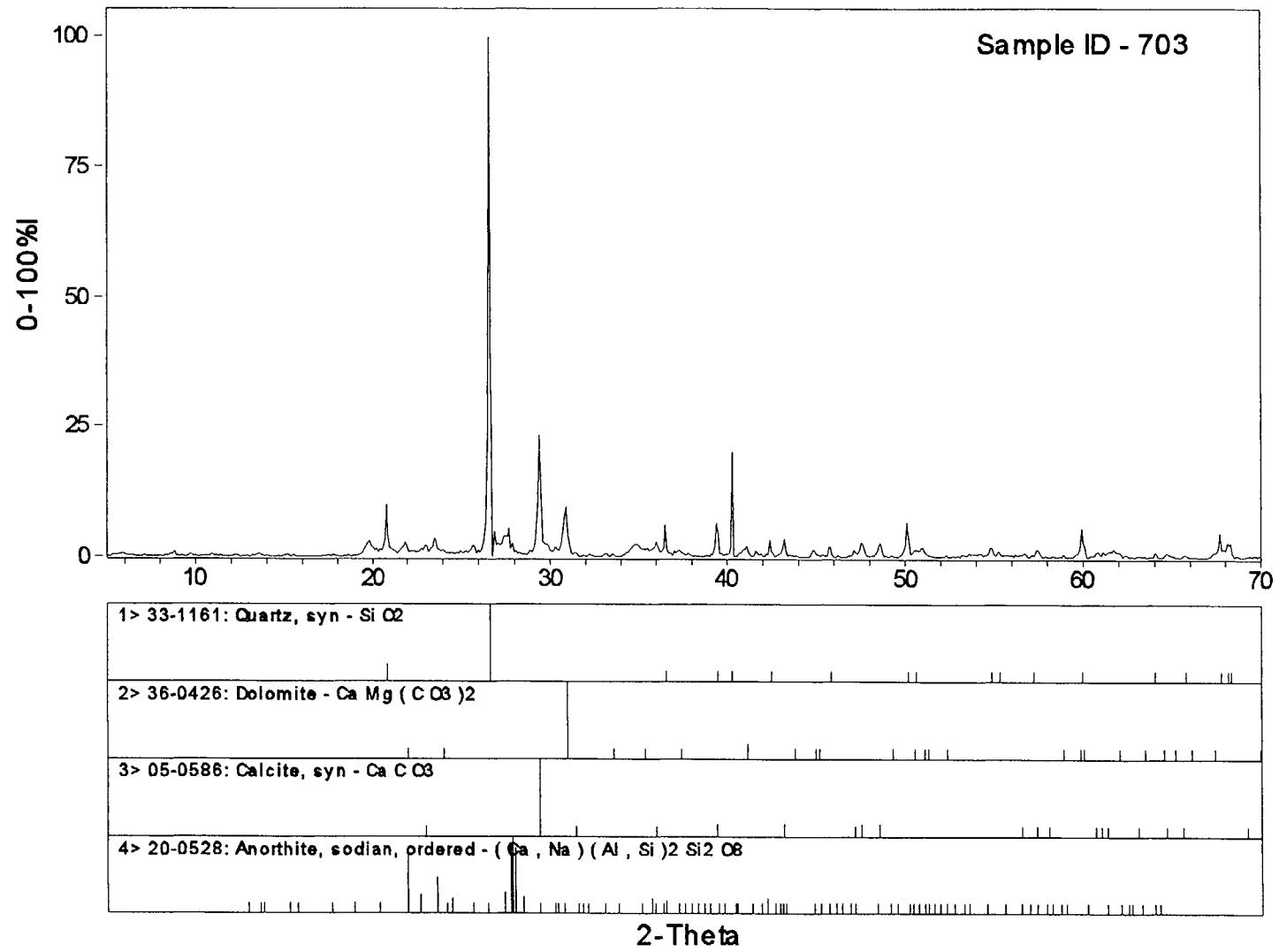
C-91



Peak Analysis
Sample ID - 702

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
5.874	15.0325	5.887	15.0016	19	115	6.7	52	16.1	0.407
8.859	9.9738	8.859	9.9738	4	79	4.6	13	4	0.148
13.739	6.44	13.712	6.4529	4	70	4.1	24	7.5	0.309
17.729	4.9987	17.729	4.9987	9	22	1.3	3	0.9	0.123
19.743	4.4932	19.824	4.4751	33	166	9.6	77	23.9	0.417
20.837	4.2596	20.842	4.2587	64	498	28.9	135	41.9	0.244
21.916	4.0523	21.909	4.0535	87	262	15.2	68	21.1	0.234
23.581	3.7698	23.596	3.7675	81	188	10.9	40	12.4	0.191
26.647	3.3427	26.647	3.3427	879	1721	100	322	100	0.168
29.467	3.0288	29.47	3.0285	58	644	37.4	177	55	0.247
29.9	2.986	29.9	2.9859	39	168	9.8	56	17.4	0.3
30.887	2.8927	30.881	2.8932	25	696	40.4	244	75.8	0.316
32.321	2.7676	32.321	2.7676	9	57	3.3	8	2.5	0.126
34.811	2.5751	34.821	2.5744	37	161	9.4	96	29.8	0.537
36.015	2.4917	36.015	2.4917	23	165	9.6	38	11.8	0.207
36.542	2.457	36.542	2.457	76	156	9.1	31	9.6	0.179
37.364	2.4048	37.364	2.4048	57	27	1.6	4	1.2	0.133
39.459	2.2818	39.459	2.2818	2	292	17	58	18	0.179
41.076	2.1956	41.076	2.1956	20	106	6.2	24	7.5	0.204
42.461	2.1272	42.461	2.1272	46	95	5.5	16	5	0.152
43.227	2.0913	43.227	2.0913	6	81	4.7	16	5	0.178
44.881	2.018	44.881	2.018	15	61	3.5	17	5.3	0.251
45.834	1.9782	45.834	1.9782	26	80	4.6	12	3.7	0.135
47.591	1.9092	47.568	1.91	10	111	6.4	30	9.3	0.243
48.57	1.8729	48.57	1.8729	14	90	5.2	19	5.9	0.19
50.16	1.8172	50.165	1.8171	6	347	20.2	94	29.2	0.244
50.719	1.7985	50.718	1.7986	5	153	8.9	58	18	0.341
54.88	1.6716	54.88	1.6716	22	110	6.4	25	7.8	0.205
55.755	1.6474	55.755	1.6474	23	18	1	3	0.9	0.15
57.477	1.6021	57.477	1.6021	16	40	2.3	12	3.7	0.27
59.955	1.5417	59.955	1.5417	27	300	17.4	58	18	0.174
60.625	1.5262	60.625	1.5262	26	200	11.6	29	9	0.131
61.909	1.4976	61.936	1.497	26	49	2.8	22	6.8	0.404
64.063	1.4523	64.063	1.4523	7	34	2	7	2.2	0.185
64.862	1.4364	64.862	1.4364	8	31	1.8	9	2.8	0.261
67.798	1.3811	67.798	1.3811	3	132	7.7	54	16.8	0.368
68.234	1.3734	68.243	1.3732	4	194	11.3	64	19.9	0.297

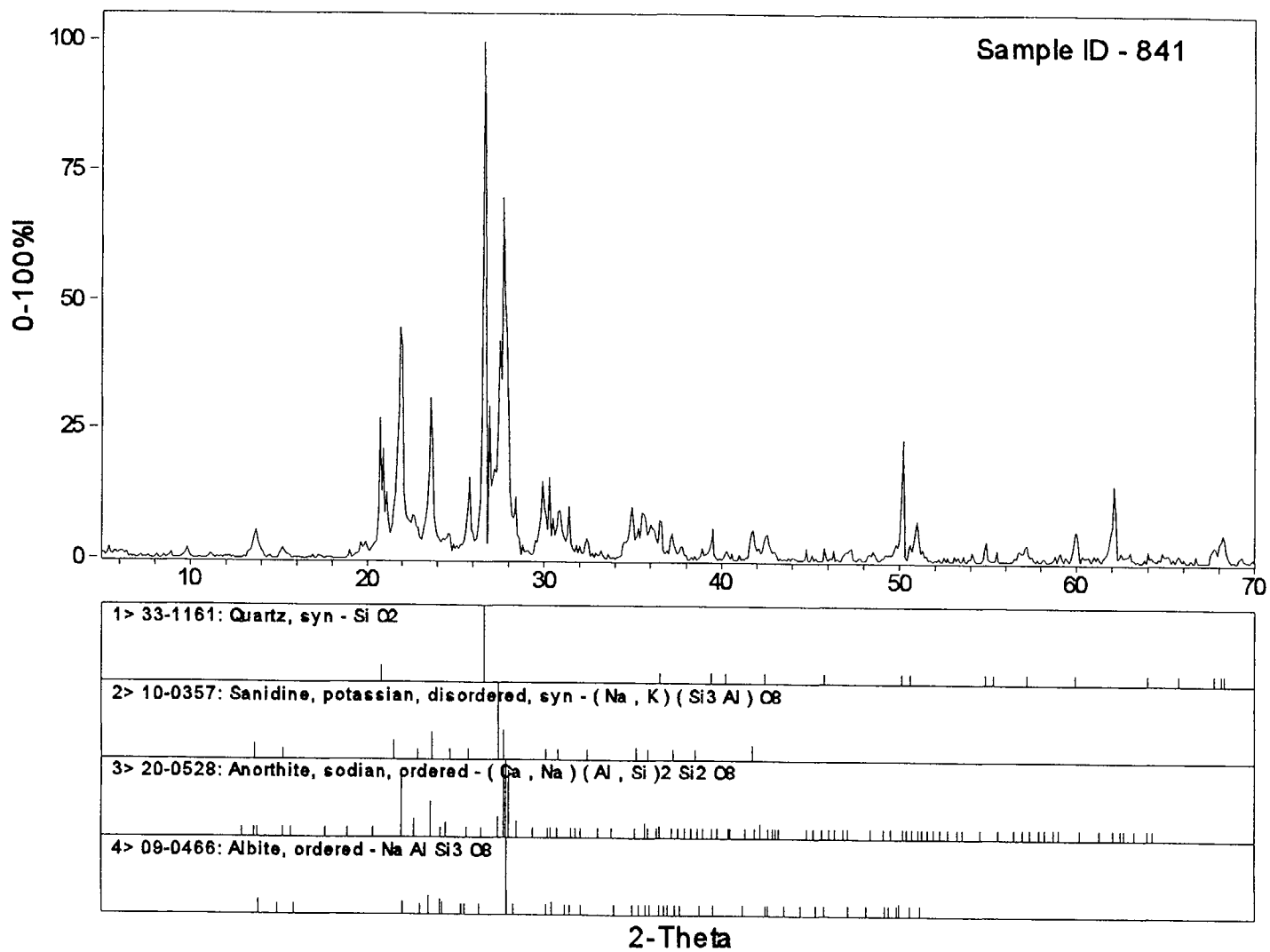
C-93



Peak Analysis
Sample ID - 703

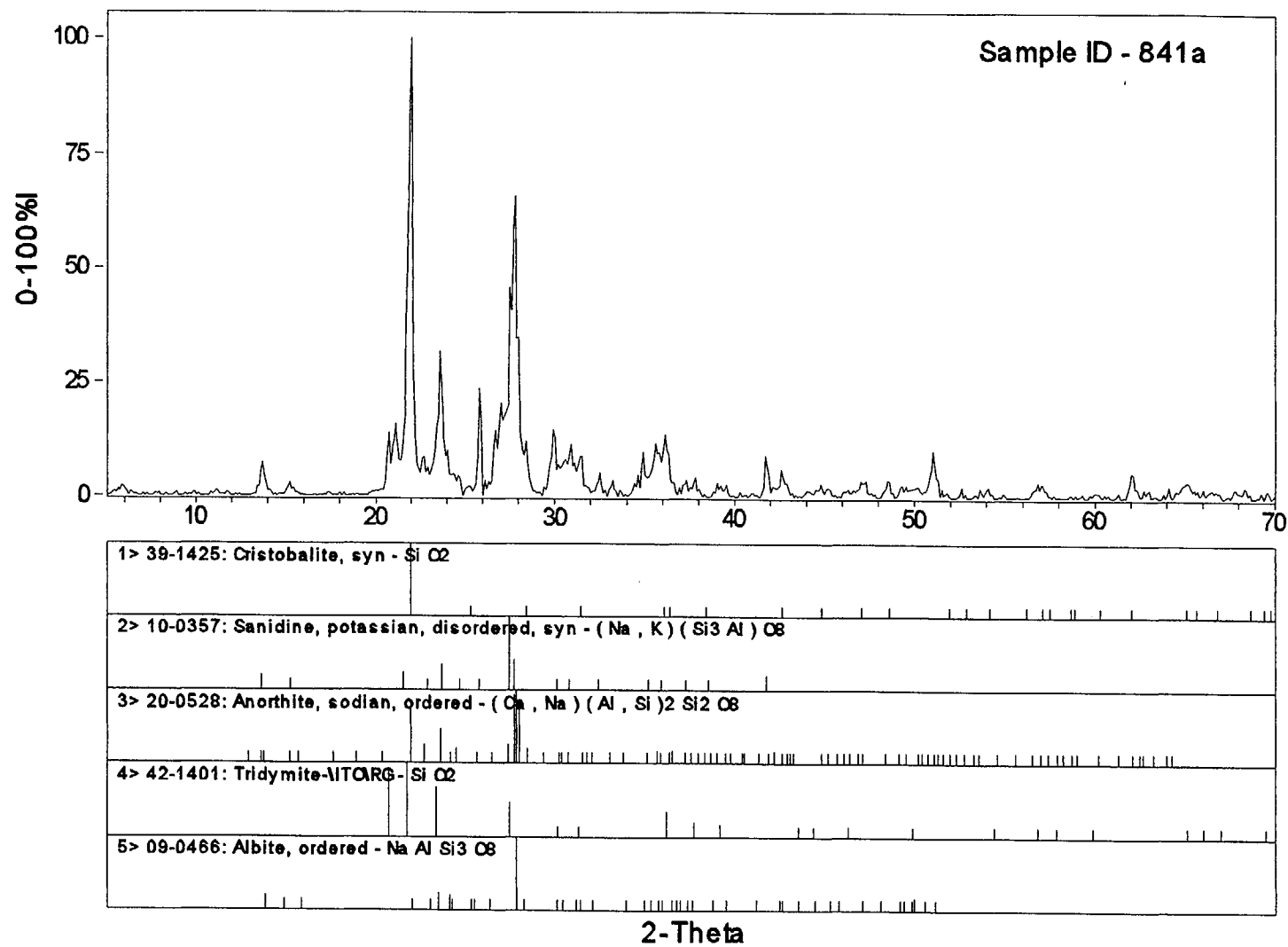
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
12.256	7.2159	12.256	7.2159	4	11	0.2	4	0.5	0.327
19.78	4.4847	19.782	4.4844	24	168	3	85	10.9	0.455
20.799	4.2673	20.801	4.267	41	605	10.8	130	16.6	0.193
21.861	4.0623	21.861	4.0623	63	114	2	27	3.4	0.213
23.516	3.78	23.533	3.7774	46	182	3.3	53	6.8	0.262
26.612	3.347	26.612	3.347	841	5600	100	783	100	0.126
29.399	3.0357	29.413	3.0343	34	1476	26.4	369	47.1	0.225
30.864	2.8948	30.848	2.8963	29	586	10.5	187	23.9	0.287
33.158	2.6996	33.158	2.6996	7	32	0.6	7	0.9	0.197
34.806	2.5755	34.828	2.5739	24	127	2.3	99	12.6	0.702
35.979	2.4941	35.973	2.4945	34	157	2.8	62	7.9	0.355
39.419	2.2841	39.419	2.2841	138	279	5	41	5.2	0.132
43.183	2.0933	43.183	2.0933	15	210	3.8	38	4.9	0.163
44.837	2.0198	44.837	2.0198	4	82	1.5	22	2.8	0.241
45.751	1.9816	45.751	1.9816	7	118	2.1	26	3.3	0.198
47.532	1.9114	47.532	1.9114	16	164	2.9	47	6	0.258
48.549	1.8737	48.549	1.8737	28	137	2.4	35	4.5	0.23
50.098	1.8194	50.098	1.8193	7	421	7.5	96	12.3	0.205
50.97	1.7902	50.858	1.7939	4	119	2.1	80	10.2	0.605
54.834	1.6729	54.827	1.6731	20	103	1.8	26	3.3	0.227
56.681	1.6227	56.681	1.6227	17	29	0.5	9	1.1	0.279
57.448	1.6028	57.448	1.6028	9	82	1.5	23	2.9	0.252
59.927	1.5423	59.916	1.5425	29	332	5.9	70	8.9	0.19
61.701	1.5021	61.673	1.5028	8	92	1.6	55	7	0.538
64.04	1.4528	64.04	1.4528	10	49	0.9	8	1	0.147
65.704	1.42	65.704	1.42	8	18	0.3	5	0.6	0.25
67.703	1.3828	67.706	1.3828	13	286	5.1	84	10.7	0.264
68.266	1.3728	68.266	1.3728	20	162	2.9	32	4.1	0.178

C-95



Peak Analysis
Sample ID - 841

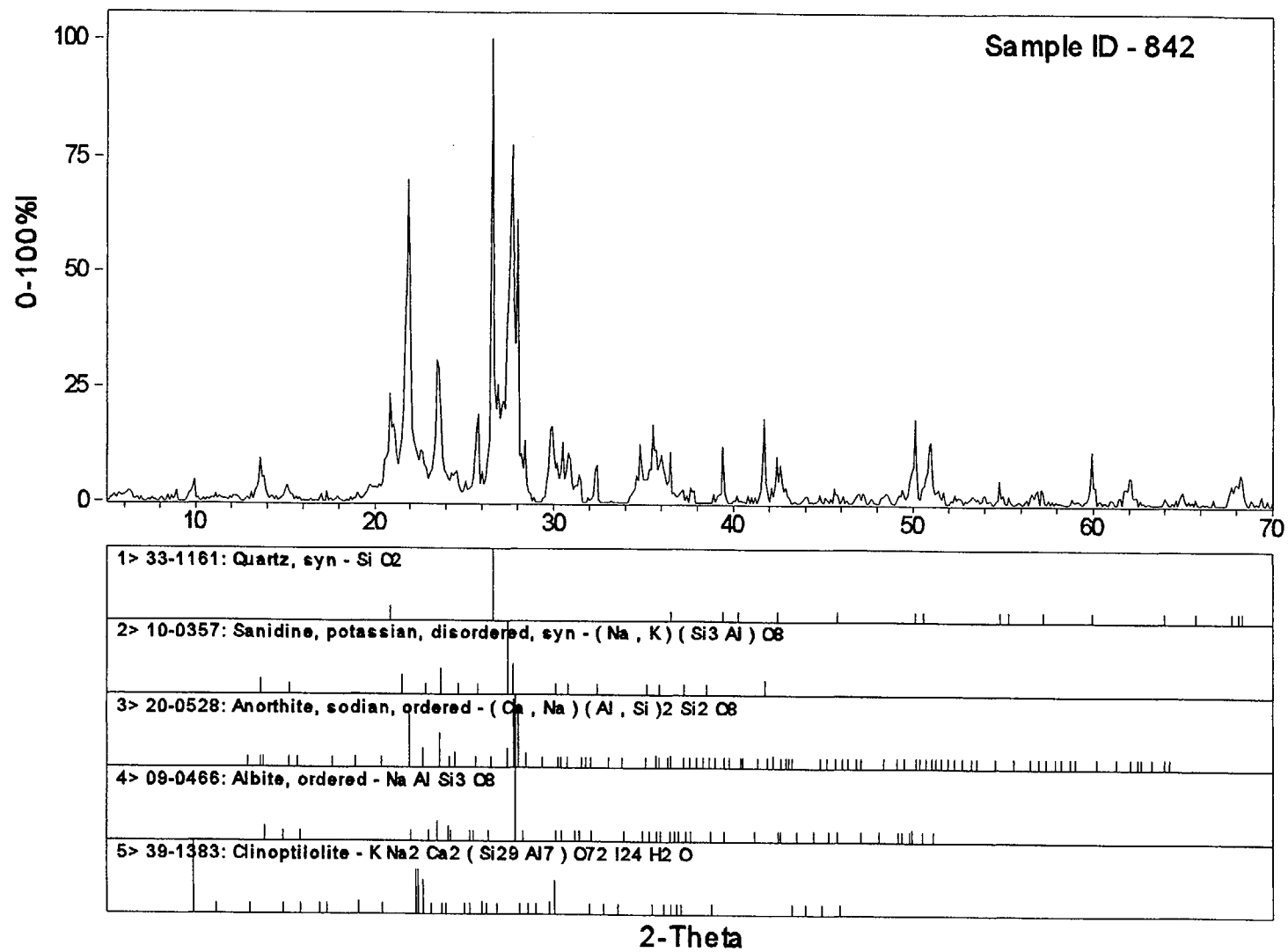
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position					Area	%	FWHM
2Theta	d	2Theta	d	counts	counts	%			
9.791	9.0264	9.78	9.0367	3	44	2.8	10	2.5	0.205
13.686	6.4652	13.674	6.4709	8	125	8	52	13	0.374
15.189	5.8286	15.213	5.8194	3	48	3.1	16	4	0.3
19.629	4.5189	19.629	4.5189	28	46	3	7	1.8	0.137
20.712	4.285	20.712	4.285	118	531	34.1	80	20	0.136
21.895	4.0561	21.881	4.0587	80	986	63.3	400	100	0.365
22.6	3.9312	22.6	3.9312	124	76	4.9	30	7.5	0.355
23.604	3.7662	23.596	3.7674	95	649	41.7	179	44.8	0.248
24.6	3.6159	24.6	3.6159	75	41	2.6	11	2.8	0.241
26.642	3.3433	26.642	3.3433	836	1557	100	267	66.8	0.154
27.714	3.2163	27.736	3.2138	513	1157	74.3	370	92.5	0.288
29.917	2.9843	29.938	2.9822	30	330	21.2	116	29	0.316
30.876	2.8937	30.852	2.8959	23	201	12.9	94	23.5	0.421
31.376	2.8487	31.377	2.8487	32	211	13.6	41	10.3	0.175
32.411	2.7601	32.411	2.7601	34	65	4.2	14	3.5	0.194
34.902	2.5686	34.913	2.5678	18	226	14.5	110	27.5	0.438
35.514	2.5257	35.509	2.5261	20	195	12.5	127	31.8	0.586
36.008	2.4922	36.005	2.4924	22	141	9.1	92	23	0.587
36.55	2.4565	36.55	2.4565	113	68	4.4	14	3.5	0.185
37.202	2.4149	37.202	2.4149	47	76	4.9	16	4	0.189
37.763	2.3803	37.763	2.3803	23	40	2.6	9	2.3	0.203
39.456	2.282	39.456	2.282	8	138	8.9	27	6.8	0.176
41.763	2.1611	41.763	2.1611	12	129	8.3	43	10.8	0.3
42.571	2.122	42.572	2.1219	13	106	6.8	50	12.5	0.425
47.255	1.922	47.255	1.922	7	52	3.3	10	2.5	0.173
48.503	1.8754	48.503	1.8754	4	44	2.8	12	3	0.245
50.151	1.8176	50.151	1.8176	4	553	35.5	97	24.3	0.158
50.971	1.7902	50.974	1.7901	18	167	10.7	56	14	0.302
54.119	1.6933	54.119	1.6933	4	42	2.7	7	1.8	0.15
54.869	1.6719	54.869	1.6719	8	87	5.6	14	3.5	0.145
56.825	1.6189	56.869	1.6177	3	46	3	21	5.3	0.411
57.165	1.6101	57.155	1.6103	5	69	4.4	27	6.8	0.352
59.075	1.5625	59.075	1.5625	17	27	1.7	4	1	0.133
59.96	1.5415	59.96	1.5415	33	107	6.9	31	7.8	0.261
62.081	1.4939	62.088	1.4937	7	343	22	114	28.5	0.299
65.051	1.4327	65.051	1.4327	18	17	1.1	6	1.5	0.318
68.187	1.3742	68.182	1.3743	9	122	7.8	50	12.5	0.369



Peak Analysis

Sample ID -
841a

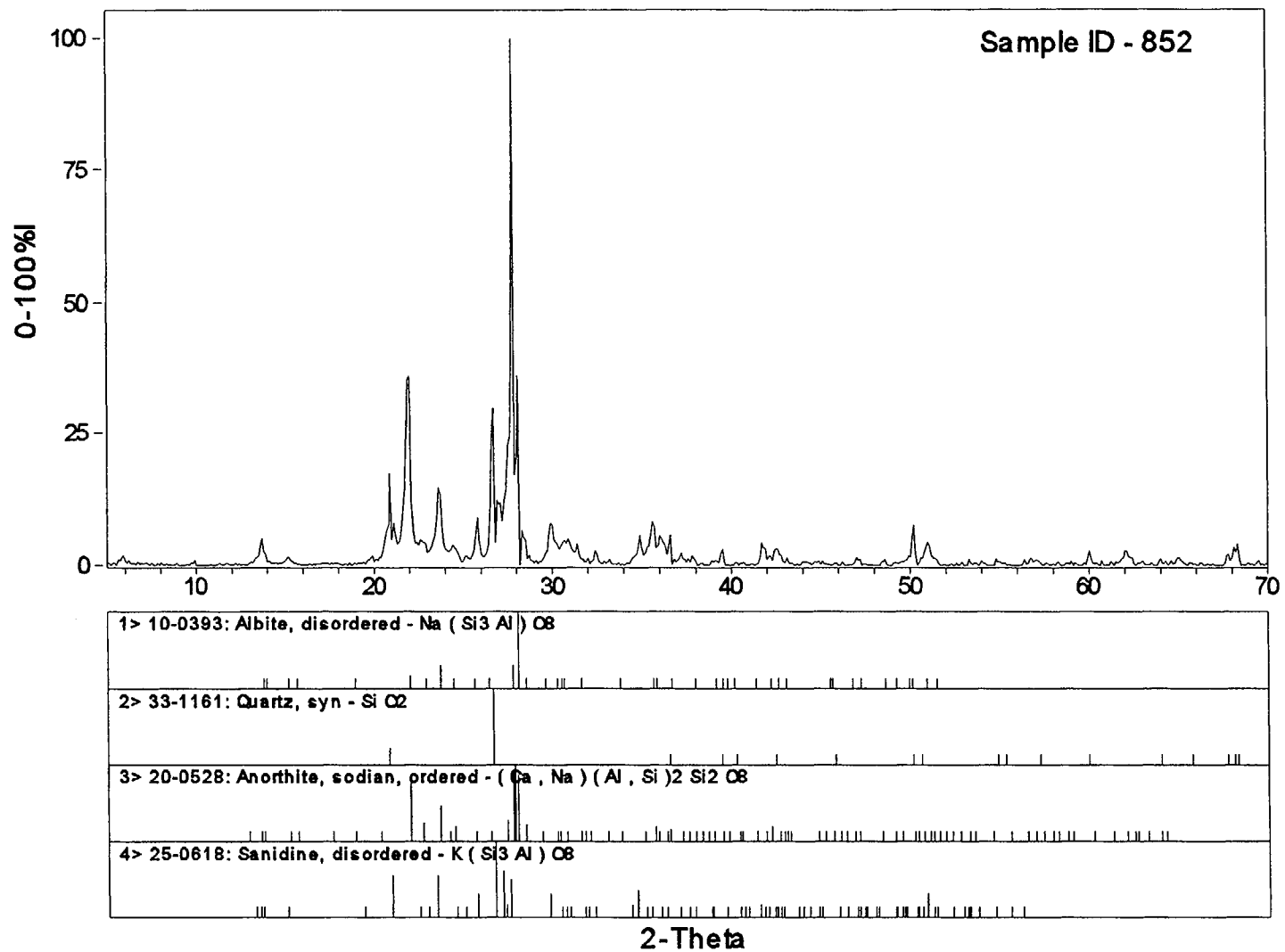
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
13.701	6.4582	13.701	6.458	4	177	7.5	65	8	0.331
15.194	5.8267	15.206	5.822	5	70	3	20	2.5	0.257
20.688	4.29	20.688	4.29	67	276	11.7	60	7.4	0.196
21.081	4.2108	21.084	4.2102	67	323	13.7	141	17.4	0.393
21.94	4.0479	21.895	4.056	98	2352	100	810	100	0.31
22.655	3.9217	22.655	3.9217	150	58	2.5	11	1.4	0.171
23.604	3.7662	23.609	3.7655	103	679	28.9	238	29.4	0.315
24.656	3.6079	24.656	3.6079	82	24	1	5	0.6	0.188
25.825	3.4471	25.825	3.4471	141	445	18.9	77	9.5	0.156
26.914	3.3101	26.91	3.3105	33	375	15.9	245	30.2	0.588
27.784	3.2083	27.787	3.208	88	1524	64.8	651	80.4	0.384
28.395	3.1407	28.395	3.1406	39	257	10.9	72	8.9	0.252
29.907	2.9852	29.906	2.9853	30	330	14	115	14.2	0.314
30.892	2.8922	30.894	2.892	23	259	11	122	15.1	0.424
31.43	2.8439	31.411	2.8457	36	178	7.6	67	8.3	0.339
32.459	2.7561	32.459	2.7561	28	100	4.3	22	2.7	0.198
33.184	2.6975	33.184	2.6975	23	65	2.8	13	1.6	0.18
34.909	2.5681	34.906	2.5683	15	228	9.7	84	10.4	0.332
35.616	2.5187	35.62	2.5184	21	269	11.4	175	21.6	0.586
36.106	2.4857	36.104	2.4858	25	311	13.2	144	17.8	0.417
37.283	2.4099	37.319	2.4076	24	67	2.8	21	2.6	0.282
37.778	2.3794	37.78	2.3793	17	87	3.7	23	2.8	0.238
39.465	2.2815	39.465	2.2815	3	63	2.7	16	2	0.229
41.756	2.1615	41.762	2.1612	9	214	9.1	55	6.8	0.231
42.622	2.1195	42.634	2.119	11	136	5.8	53	6.5	0.351
44.776	2.0224	44.762	2.023	7	63	2.7	18	2.2	0.257
46.275	1.9603	46.281	1.9601	10	34	1.4	14	1.7	0.371
47.034	1.9305	47.02	1.931	9	77	3.3	41	5.1	0.479
48.5	1.8755	48.5	1.8755	10	80	3.4	26	3.2	0.292
50.158	1.8173	50.171	1.8169	9	48	2	62	7.7	1.163
51.003	1.7892	51.001	1.7892	6	246	10.5	93	11.5	0.34
52.576	1.7393	52.576	1.7393	6	50	2.1	7	0.9	0.126
54.081	1.6944	54.071	1.6947	8	47	2	15	1.9	0.287
56.799	1.6196	56.799	1.6196	5	77	3.3	30	3.7	0.351
60.052	1.5394	60.052	1.5394	8	21	0.9	7	0.9	0.3
62.024	1.4951	62.054	1.4944	13	117	5	39	4.8	0.3
65.095	1.4318	65.078	1.4321	11	74	3.1	52	6.4	0.632
66.886	1.3977	66.886	1.3977	9	24	1	5	0.6	0.188
68.302	1.3722	68.3	1.3722	8	49	2.1	13	1.6	0.239



Peak Analysis
Sample ID - 842

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.878	8.9469	9.849	8.9737	5	79	4.5	22	3.5	0.251
12.212	7.2419	12.211	7.2423	2	20	1.1	8	1.3	0.36
13.626	6.4933	13.63	6.4912	7	164	9.3	55	8.8	0.302
15.107	5.8599	15.128	5.8519	9	57	3.2	18	2.9	0.284
19.711	4.5004	19.711	4.5004	46	21	1.2	4	0.6	0.171
20.831	4.2608	20.881	4.2507	78	350	19.9	145	23.3	0.373
21.879	4.059	21.864	4.0618	92	1172	66.6	447	71.9	0.343
22.626	3.9266	22.626	3.9266	142	62	3.5	14	2.3	0.203
23.542	3.776	23.561	3.773	95	465	26.4	157	25.2	0.304
24.571	3.6201	24.571	3.6201	67	54	3.1	10	1.6	0.167
25.756	3.4562	25.756	3.4562	84	264	15	47	7.6	0.16
26.597	3.3488	26.597	3.3488	46	1761	100	394	63.3	0.201
27.686	3.2195	27.676	3.2206	47	1352	76.8	622	100	0.414
29.891	2.9868	29.892	2.9867	11	288	16.4	117	18.8	0.366
30.802	2.9005	30.802	2.9005	20	174	9.9	62	10	0.321
31.369	2.8493	31.369	2.8493	27	84	4.8	22	3.5	0.236
32.347	2.7654	32.347	2.7654	5	144	8.2	29	4.7	0.181
34.811	2.5751	34.84	2.573	13	218	12.4	87	14	0.359
35.525	2.5249	35.524	2.525	16	293	16.6	148	23.8	0.455
35.986	2.4937	35.989	2.4935	20	169	9.6	74	11.9	0.394
37.162	2.4174	37.162	2.4174	29	23	1.3	4	0.6	0.157
37.633	2.3882	37.633	2.3882	27	34	1.9	5	0.8	0.132
39.399	2.2852	39.384	2.286	9	213	12.1	32	5.1	0.135
41.685	2.165	41.682	2.1651	14	321	18.2	61	9.8	0.171
42.403	2.13	42.403	2.13	11	173	9.8	34	5.5	0.177
45.631	1.9865	45.631	1.9865	14	48	2.7	7	1.1	0.131
47.227	1.923	47.227	1.923	10	32	1.8	6	1	0.169
48.502	1.8754	48.468	1.8767	4	36	2	15	2.4	0.375
50.076	1.8201	50.057	1.8207	10	324	18.4	90	14.5	0.25
50.95	1.7909	50.926	1.7917	14	229	13	96	15.4	0.377
52.509	1.7413	52.493	1.7418	8	17	1	6	1	0.318
53.956	1.698	53.956	1.698	7	27	1.5	6	1	0.2
54.804	1.6737	54.804	1.6737	7	87	4.9	13	2.1	0.134
56.858	1.618	56.858	1.618	31	16	0.9	4	0.6	0.225
59.918	1.5425	59.916	1.5426	19	190	10.8	35	5.6	0.166
61.997	1.4957	61.997	1.4957	24	82	4.7	24	3.9	0.263
64.972	1.4342	64.972	1.4342	15	38	2.2	7	1.1	0.166
67.702	1.3829	67.702	1.3829	8	72	4.1	19	3.1	0.237
68.208	1.3738	68.208	1.3738	8	116	6.6	38	6.1	0.295

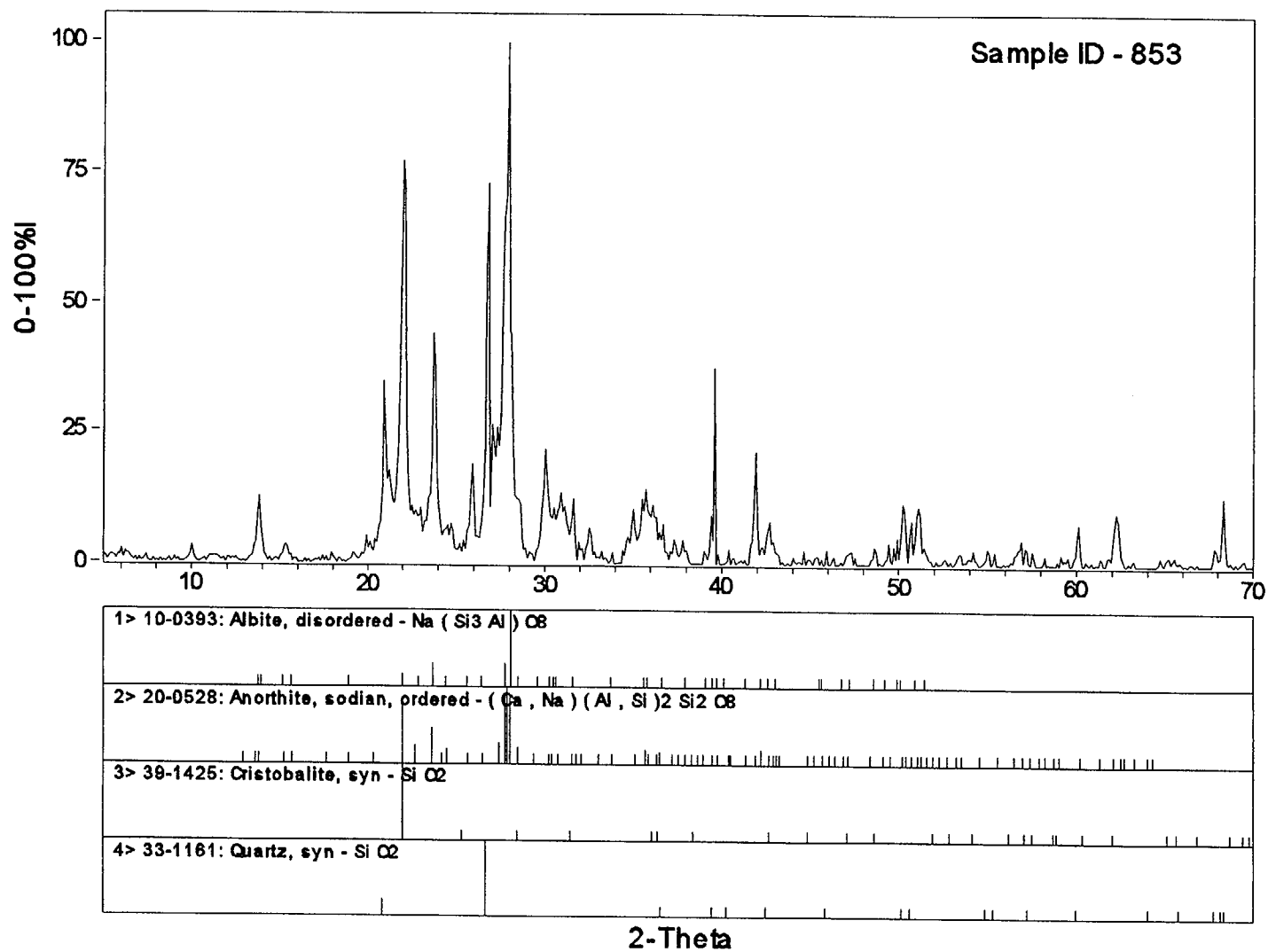
C-101



Peak Analysis
Sample ID - 852

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
5.855	15.082	5.855	15.082	18	55	1.5	13	1.8	0.213
13.701	6.4582	13.688	6.4638	4	199	5.6	80	11	0.362
15.193	5.8269	15.198	5.825	10	55	1.5	20	2.8	0.327
19.868	4.4653	19.868	4.4653	44	27	0.8	4	0.6	0.133
20.89	4.2489	20.9	4.2469	99	605	16.9	155	21.4	0.231
21.939	4.0481	21.9	4.0553	98	1351	37.7	581	80.1	0.387
23.621	3.7635	23.631	3.7619	97	497	13.9	182	25.1	0.33
24.425	3.6414	24.425	3.6415	61	97	2.7	44	6.1	0.408
25.782	3.4528	25.772	3.4541	65	302	8.4	68	9.4	0.203
26.653	3.3418	26.653	3.3418	331	879	24.5	165	22.8	0.169
27.785	3.2082	27.776	3.2092	474	3585	100	725	100	0.182
28.075	3.1758	28.075	3.1758	549	909	25.4	122	16.8	0.121
30.899	2.8916	30.9	2.8916	20	179	5	136	18.8	0.684
32.438	2.7578	32.438	2.7578	29	82	2.3	14	1.9	0.154
34.89	2.5694	34.893	2.5693	35	191	5.3	67	9.2	0.316
35.601	2.5197	35.601	2.5198	58	279	7.8	118	16.3	0.381
36.019	2.4915	36.015	2.4917	71	152	4.2	66	9.1	0.391
36.565	2.4555	36.565	2.4555	35	199	5.6	31	4.3	0.14
39.469	2.2813	39.469	2.2813	11	114	3.2	23	3.2	0.182
41.76	2.1613	41.777	2.1604	6	164	4.6	52	7.2	0.285
42.521	2.1243	42.471	2.1267	5	123	3.4	74	10.2	0.541
45.11	2.0082	45.11	2.0082	4	29	0.8	4	0.6	0.124
47.065	1.9293	47.065	1.9293	12	49	1.4	11	1.5	0.202
50.169	1.8169	50.169	1.8169	33	275	7.7	52	7.2	0.17
50.99	1.7896	51.021	1.7886	22	154	4.3	71	9.8	0.415
56.748	1.6209	56.748	1.6209	4	52	1.5	13	1.8	0.225
60	1.5406	60	1.5406	9	101	2.8	21	2.9	0.187
62.025	1.4951	62.08	1.4939	12	99	2.8	44	6.1	0.4
63.97	1.4542	63.97	1.4542	12	38	1.1	6	0.8	0.142
68.287	1.3724	68.287	1.3724	21	144	4	27	3.7	0.169

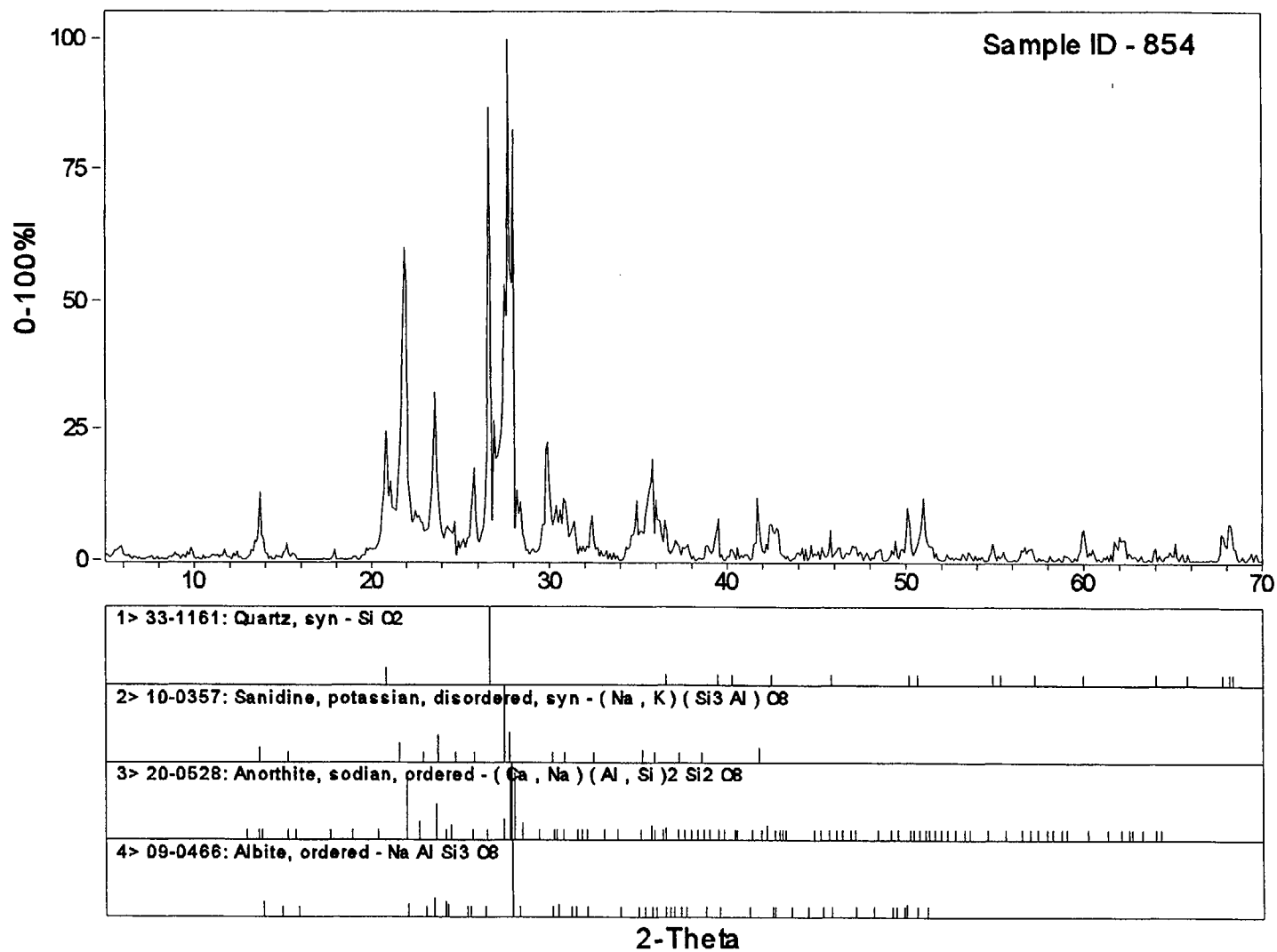
C-103



Peak Analysis
Sample ID - 853

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
9.981	8.8546	9.969	8.8652	3	50	3.3	12	1.6	0.216
13.796	6.4139	13.772	6.425	6	194	12.7	65	8.5	0.302
15.296	5.7878	15.297	5.7877	6	49	3.2	19	2.5	0.349
20.934	4.2401	20.932	4.2405	79	470	30.8	122	16	0.234
21.999	4.0371	21.983	4.0402	97	1124	73.7	457	60.1	0.366
23.728	3.7468	23.732	3.7461	108	588	38.5	170	22.3	0.26
25.875	3.4406	25.875	3.4406	78	220	14.4	50	6.6	0.205
26.772	3.3273	26.776	3.3268	54	1100	72.1	309	40.6	0.253
27.313	3.2626	27.359	3.2573	42	367	24	184	24.2	0.451
27.877	3.1978	27.836	3.2024	58	1526	100	761	100	0.449
30.011	2.9751	30.044	2.9719	31	313	20.5	133	17.5	0.382
30.898	2.8917	30.894	2.8921	42	172	11.3	105	13.8	0.549
31.559	2.8326	31.559	2.8326	32	164	10.7	37	4.9	0.203
32.513	2.7516	32.513	2.7516	35	72	4.7	16	2.1	0.2
34.997	2.5618	35	2.5617	19	145	9.5	44	5.8	0.273
35.7	2.513	35.709	2.5124	22	203	13.3	120	15.8	0.532
36.097	2.4863	36.097	2.4863	24	155	10.2	75	9.9	0.435
37.33	2.4069	37.33	2.4069	23	52	3.4	9	1.2	0.156
37.804	2.3778	37.804	2.3778	12	61	4	13	1.7	0.192
41.881	2.1553	41.905	2.1541	17	322	21.1	77	10.1	0.215
42.689	2.1163	42.697	2.116	10	119	7.8	57	7.5	0.431
47.168	1.9253	47.168	1.9253	7	32	2.1	11	1.4	0.309
48.597	1.872	48.597	1.872	12	42	2.8	9	1.2	0.193
50.239	1.8146	50.238	1.8146	5	178	11.7	53	7	0.268
51.086	1.7865	51.089	1.7863	5	169	11.1	77	10.1	0.41
53.398	1.7144	53.398	1.7144	4	31	2	9	1.2	0.261
55.008	1.668	55.008	1.668	11	40	2.6	8	1.1	0.18
56.708	1.622	56.71	1.6219	7	42	2.8	16	2.1	0.343
60.064	1.5391	60.064	1.5391	12	113	7.4	23	3	0.183
62.21	1.4911	62.216	1.4909	7	151	9.9	56	7.4	0.334
65.491	1.4241	65.491	1.4241	6	23	1.5	5	0.7	0.196
67.847	1.3803	67.847	1.3803	8	50	3.3	12	1.6	0.216
68.288	1.3724	68.278	1.3726	7	200	13.1	42	5.5	0.189

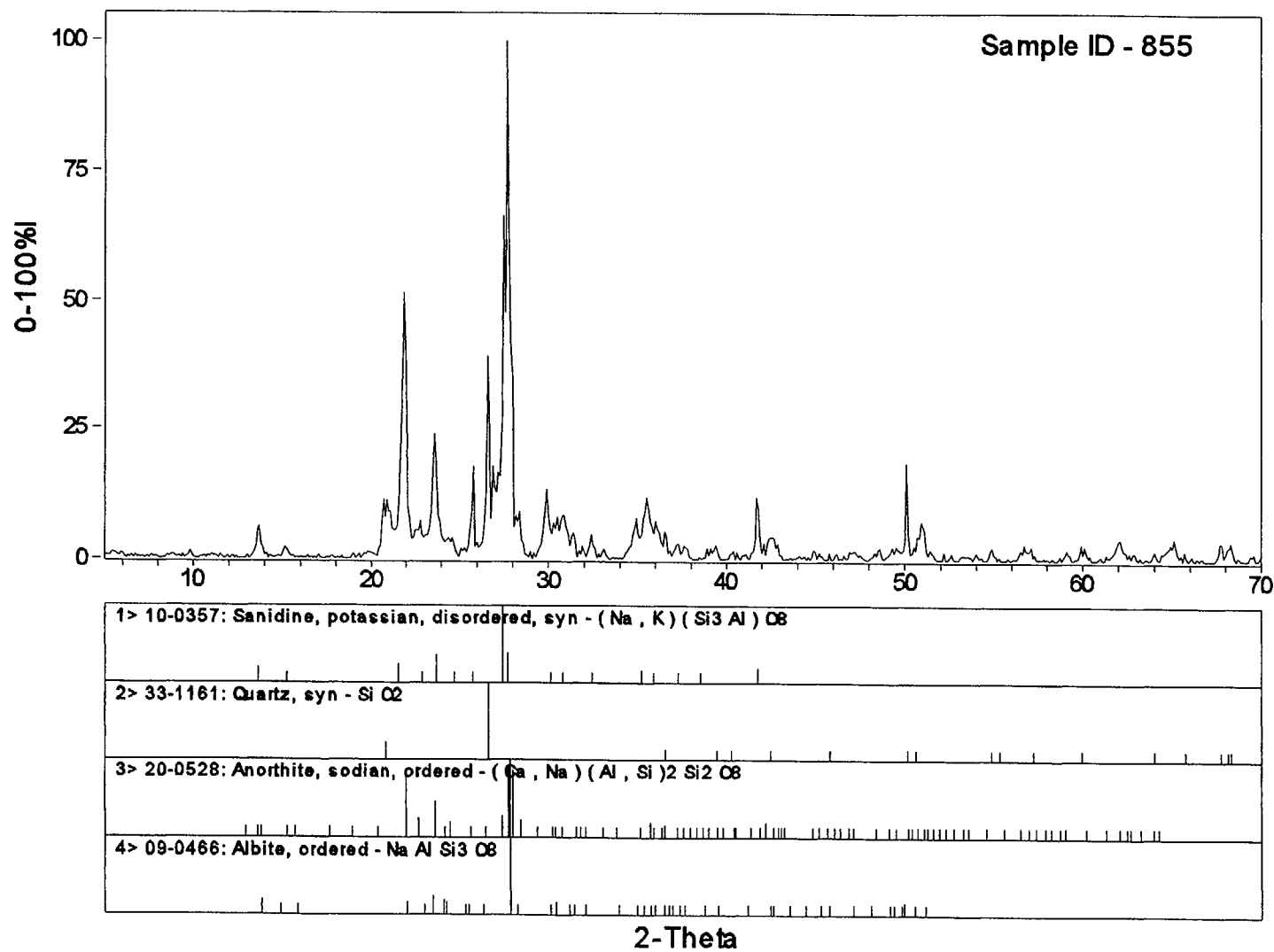
C-105



Peak Analysis
Sample ID - 854

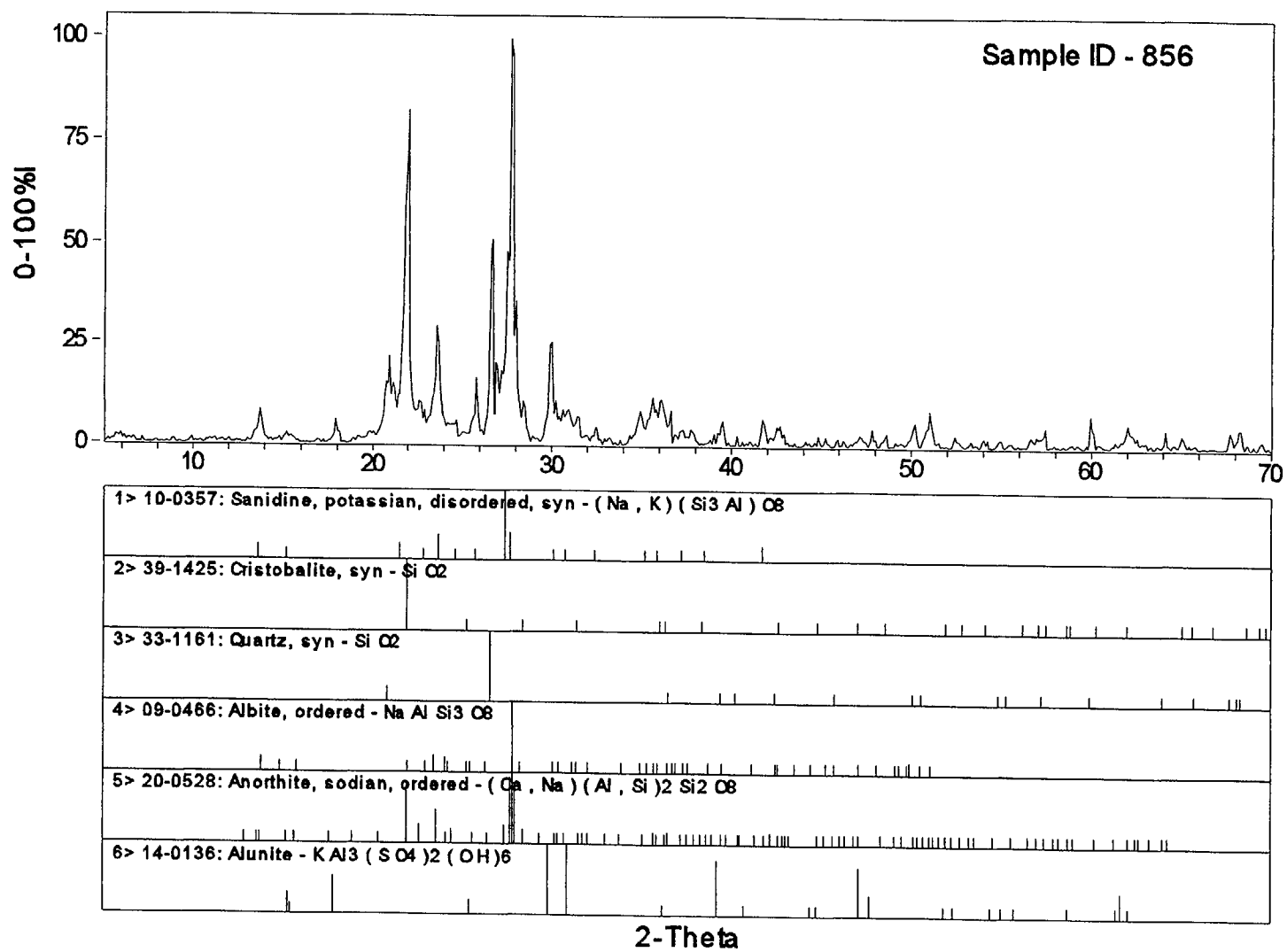
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.817	9.0021	9.817	9.0021	6	40	2	8	0.8	0.18
13.698	6.4594	13.675	6.4703	3	264	13.1	77	7.7	0.262
15.519	5.7054	15.519	5.7054	6	18	0.9	6	0.6	0.3
20.82	4.2632	20.819	4.2634	92	418	20.8	130	13.1	0.28
21.883	4.0583	21.861	4.0624	93	1147	57	525	52.8	0.412
23.587	3.7689	23.586	3.769	111	555	27.6	160	16.1	0.259
24.384	3.6474	24.384	3.6474	95	24	1.2	11	1.1	0.412
25.755	3.4563	25.755	3.4563	83	282	14	62	6.2	0.198
26.623	3.3455	26.622	3.3456	78	1717	85.3	371	37.3	0.194
27.703	3.2175	27.685	3.2196	54	2012	100	995	100	0.445
27.943	3.1905	27.943	3.1905	48	1659	82.5	322	32.4	0.175
29.897	2.9863	29.896	2.9863	40	428	21.3	158	15.9	0.332
30.811	2.8997	30.765	2.9039	33	211	10.5	106	10.7	0.452
31.342	2.8518	31.342	2.8518	34	121	6	34	3.4	0.253
32.386	2.7622	32.386	2.7622	38	137	6.8	28	2.8	0.184
34.895	2.5691	34.917	2.5675	13	223	11.1	97	9.7	0.391
35.691	2.5136	35.712	2.5122	22	284	14.1	231	23.2	0.732
36.518	2.4586	36.518	2.4586	32	127	6.3	27	2.7	0.191
37.14	2.4188	37.14	2.4188	27	52	2.6	15	1.5	0.26
37.77	2.3799	37.77	2.3799	24	38	1.9	6	0.6	0.142
38.912	2.3126	38.912	2.3126	5	55	2.7	17	1.7	0.278
39.475	2.281	39.456	2.282	7	157	7.8	44	4.4	0.252
40.264	2.238	40.264	2.238	7	35	1.7	10	1	0.257
41.718	2.1634	41.731	2.1627	6	241	12	60	6	0.224
42.419	2.1292	42.493	2.1257	8	133	6.6	72	7.2	0.487
47.067	1.9292	47.067	1.9292	18	42	2.1	13	1.3	0.279
48.553	1.8736	48.553	1.8736	15	32	1.6	6	0.6	0.169
50.118	1.8187	50.116	1.8187	2	206	10.2	57	5.7	0.249
50.981	1.7899	50.993	1.7895	5	243	12.1	102	10.3	0.378
53.572	1.7093	53.572	1.7093	5	23	1.1	7	0.7	0.274
54.874	1.6718	54.874	1.6718	15	53	2.6	10	1	0.17
56.677	1.6228	56.677	1.6228	5	52	2.6	12	1.2	0.208
59.971	1.5413	59.971	1.5413	13	110	5.5	31	3.1	0.254
62.056	1.4944	62.056	1.4944	30	68	3.4	16	1.6	0.212
63.956	1.4545	63.956	1.4545	22	30	1.5	5	0.5	0.15
67.763	1.3818	67.798	1.3811	3	101	5	33	3.3	0.294
68.191	1.3741	68.192	1.3741	4	140	7	57	5.7	0.366

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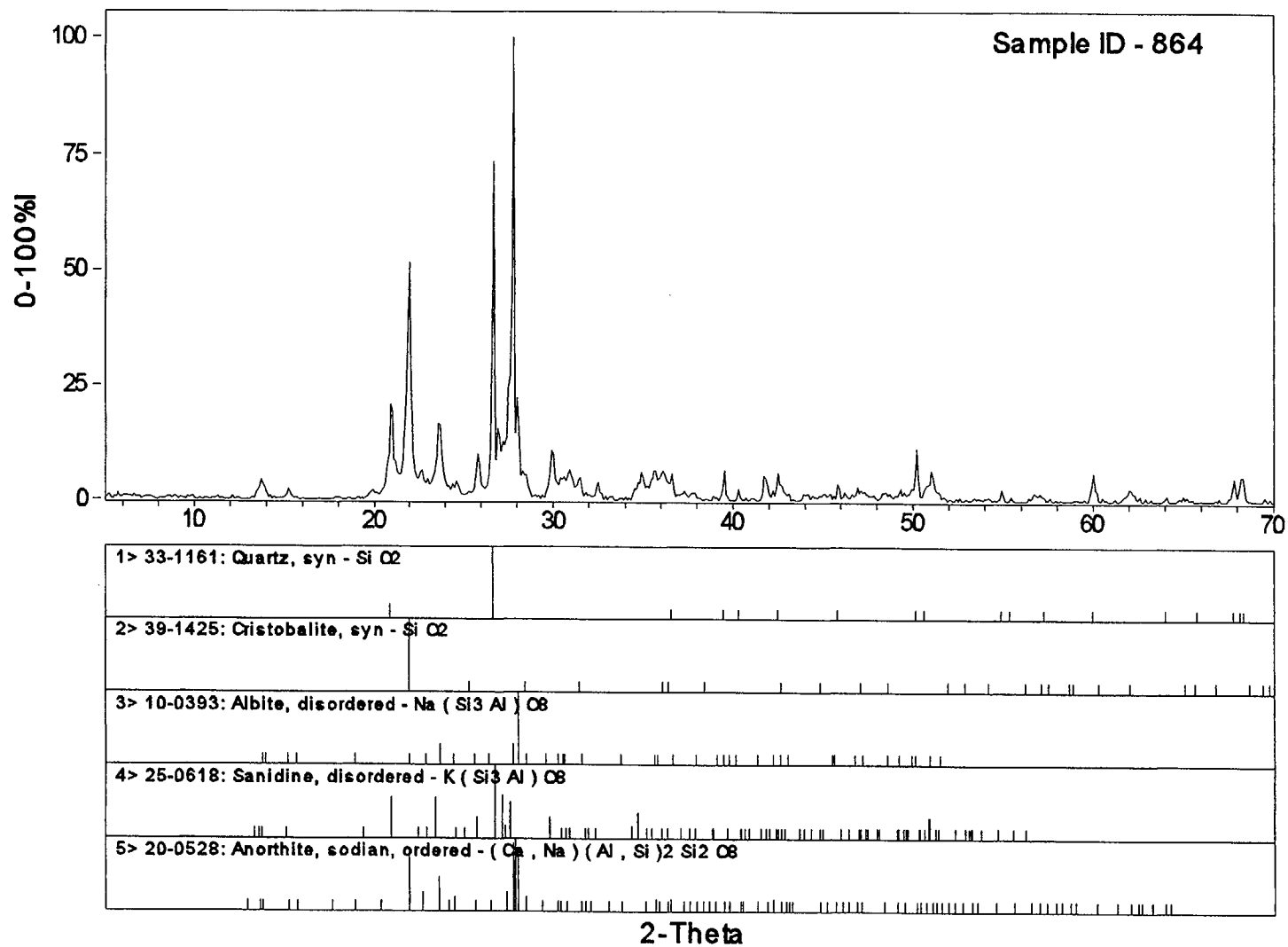
Peak Analysis
Sample ID - 855

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
13.679	6.4682	13.667	6.4739	13	162	6	50	4.4	0.278
15.158	5.8403	15.158	5.8403	8	54	2	16	1.4	0.267
20.702	4.2871	20.702	4.2871	73	245	9	54	4.7	0.198
21.876	4.0597	21.858	4.0628	122	1300	47.8	433	37.8	0.3
22.785	3.8996	22.785	3.8996	126	78	2.9	11	1	0.127
23.601	3.7667	23.615	3.7645	90	574	21.1	199	17.4	0.312
25.769	3.4544	25.769	3.4544	62	432	15.9	63	5.5	0.131
26.619	3.3461	26.617	3.3463	48	1035	38.1	248	21.7	0.216
27.707	3.2171	27.702	3.2177	48	2718	100	1145	100	0.379
29.897	2.9862	29.909	2.9851	35	341	12.5	124	10.8	0.327
30.874	2.8939	30.822	2.8986	30	204	7.5	109	9.5	0.481
31.365	2.8497	31.365	2.8497	21	120	4.4	35	3.1	0.262
32.421	2.7593	32.421	2.7593	32	102	3.8	23	2	0.203
34.89	2.5695	34.893	2.5693	16	205	7.5	103	9	0.452
35.498	2.5268	35.514	2.5258	22	309	11.4	177	15.5	0.516
36.003	2.4925	36.002	2.4926	7	201	7.4	113	9.9	0.506
36.522	2.4583	36.522	2.4583	27	125	4.6	30	2.6	0.216
37.273	2.4105	37.276	2.4103	26	56	2.1	19	1.7	0.305
37.66	2.3866	37.66	2.3866	17	58	2.1	19	1.7	0.295
39.374	2.2866	39.374	2.2866	7	73	2.7	20	1.7	0.247
41.739	2.1623	41.737	2.1624	15	319	11.7	84	7.3	0.237
42.514	2.1247	42.554	2.1227	12	110	4	61	5.3	0.499
44.937	2.0156	44.937	2.0156	11	40	1.5	8	0.7	0.18
47.175	1.925	47.144	1.9262	8	38	1.4	16	1.4	0.379
48.548	1.8737	48.548	1.8737	10	55	2	13	1.1	0.213
50.099	1.8193	50.1	1.8193	8	508	18.7	87	7.6	0.154
50.917	1.792	50.914	1.7921	7	200	7.4	89	7.8	0.4
53.291	1.7176	53.329	1.7165	6	22	0.8	9	0.8	0.368
54.877	1.6717	54.877	1.6717	11	55	2	14	1.2	0.229
56.794	1.6197	56.798	1.6196	5	49	1.8	36	3.1	0.661
59.141	1.5609	59.141	1.5609	12	20	0.7	10	0.9	0.45
59.902	1.5429	59.902	1.5429	11	75	2.8	12	1	0.144
62.071	1.4941	62.057	1.4944	9	102	3.8	55	4.8	0.485
64.006	1.4535	64.006	1.4535	14	39	1.4	7	0.6	0.162
65.105	1.4316	65.105	1.4316	25	94	3.5	22	1.9	0.211
67.727	1.3824	67.727	1.3824	8	92	3.4	23	2	0.225
68.248	1.3731	68.248	1.3731	12	91	3.3	27	2.4	0.267
69.56	1.3504	69.56	1.3504	5	34	1.3	6	0.5	0.159



Peak Analysis
Sample ID - 856

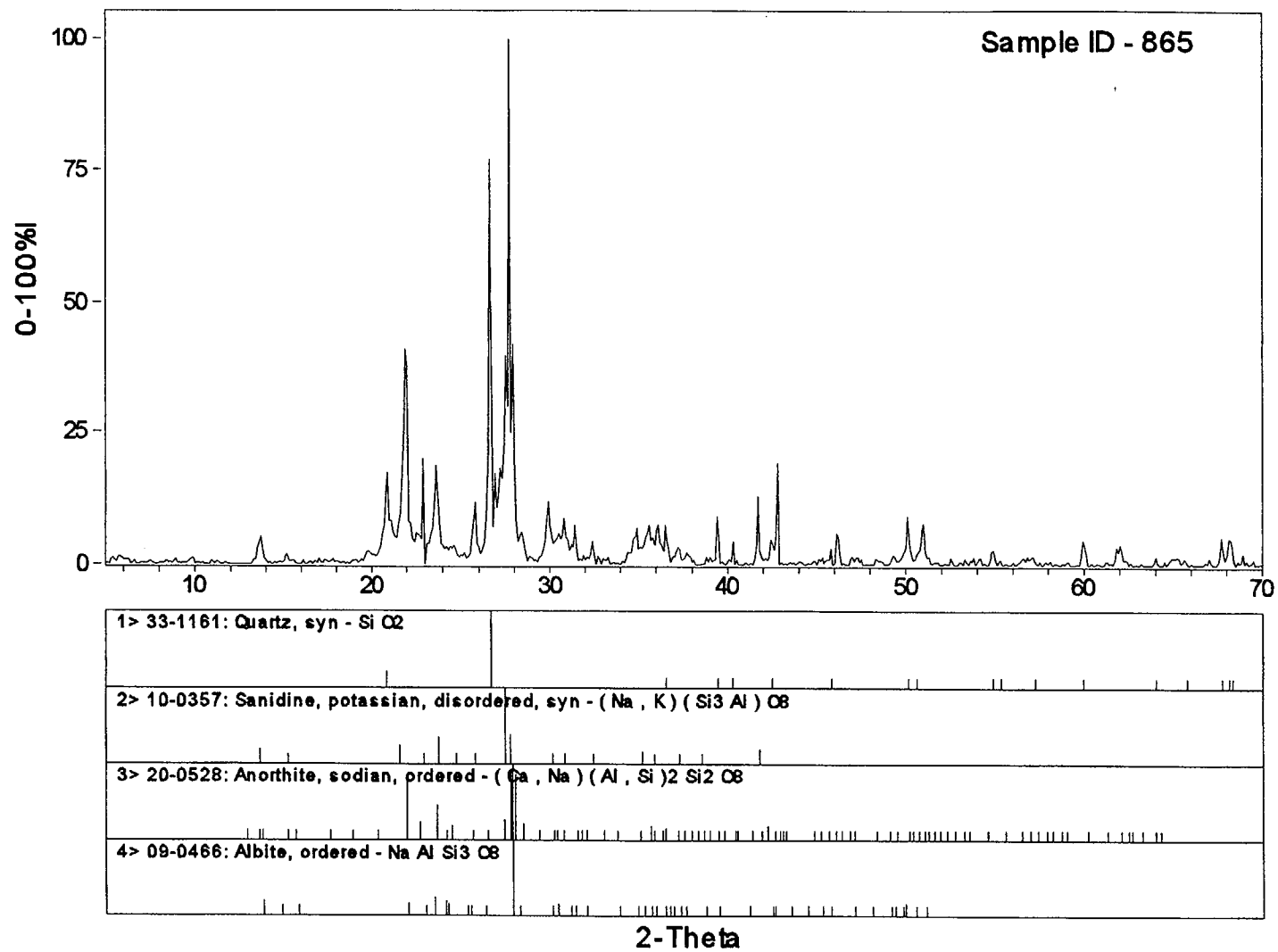
Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position							
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
6.608	13.3656	6.608	13.3656	8	23	1	4	0.5	0.157
9.874	8.951	9.874	8.951	4	28	1.3	4	0.5	0.129
13.704	6.4567	13.677	6.4693	13	177	8	62	7.4	0.315
15.45	5.7304	15.404	5.7477	9	25	1.1	13	1.5	0.468
17.924	4.9448	17.916	4.947	6	131	6	33	3.9	0.227
19.776	4.4858	19.776	4.4858	44	20	0.9	5	0.6	0.225
20.873	4.2523	20.873	4.2523	106	385	17.5	86	10.2	0.201
21.939	4.0482	21.895	4.0562	117	1744	79.3	685	81.5	0.353
22.642	3.9241	22.642	3.9241	180	61	2.8	12	1.4	0.177
23.621	3.7635	23.615	3.7645	124	538	24.5	175	20.8	0.293
24.671	3.6057	24.671	3.6057	79	55	2.5	8	1	0.131
25.779	3.4532	25.779	3.4532	77	294	13.4	54	6.4	0.165
26.666	3.3403	26.669	3.3399	64	1085	49.3	295	35.1	0.245
27.718	3.2159	27.711	3.2166	56	2199	100	841	100	0.344
28.447	3.1351	28.447	3.1351	169	78	3.5	15	1.8	0.173
29.975	2.9786	29.977	2.9784	42	531	24.1	191	22.7	0.324
30.892	2.8923	30.894	2.8921	23	173	7.9	97	11.5	0.505
31.384	2.848	31.385	2.8479	25	130	5.9	48	5.7	0.332
32.413	2.7599	32.413	2.7599	31	63	2.9	16	1.9	0.229
34.892	2.5693	34.9	2.5688	31	159	7.2	72	8.6	0.408
35.596	2.5201	35.595	2.5202	54	215	9.8	100	11.9	0.419
36.091	2.4866	36.092	2.4866	71	186	8.5	71	8.4	0.344
37.265	2.411	37.265	2.411	61	24	1.1	4	0.5	0.15
37.745	2.3814	37.745	2.3814	42	46	2.1	8	1	0.157
39.451	2.2822	39.451	2.2822	7	130	5.9	33	3.9	0.228
41.749	2.1618	41.749	2.1618	7	143	6.5	38	4.5	0.239
42.642	2.1186	42.642	2.1186	11	101	4.6	28	3.3	0.25
45.862	1.977	45.862	1.977	9	30	1.4	5	0.6	0.15
47.114	1.9274	47.11	1.9275	13	45	2	17	2	0.34
47.801	1.9013	47.801	1.9013	16	80	3.6	11	1.3	0.124
48.563	1.8732	48.563	1.8732	22	50	2.3	8	1	0.144
50.145	1.8177	50.145	1.8177	7	124	5.6	34	4	0.247
50.997	1.7894	50.972	1.7902	5	193	8.8	70	8.3	0.326
52.452	1.7431	52.452	1.7431	7	57	2.6	13	1.5	0.205
53.967	1.6977	53.967	1.6977	13	36	1.6	6	0.7	0.15
54.886	1.6714	54.886	1.6714	4	37	1.7	11	1.3	0.268
56.613	1.6245	56.613	1.6245	14	45	2	10	1.2	0.2
57.37	1.6048	57.37	1.6048	34	76	3.5	11	1.3	0.13
59.931	1.5422	59.931	1.5422	61	120	5.5	17	2	0.127
62.012	1.4954	62.019	1.4952	9	124	5.6	62	7.4	0.45
64.095	1.4517	64.095	1.4517	9	90	4.1	13	1.5	0.13
65.032	1.433	65.032	1.433	8	64	2.9	15	1.8	0.211



Peak Analysis
Sample ID - 864

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
7.493	11.7882	7.454	11.8505	7	12	0.4	5	0.5	0.375
13.711	6.4533	13.704	6.4565	11	133	4.1	50	5.2	0.338
15.223	5.8154	15.223	5.8154	10	66	2.1	14	1.5	0.191
19.876	4.4634	19.876	4.4634	35	36	1.1	7	0.7	0.175
20.917	4.2435	20.963	4.2343	69	614	19.1	244	25.3	0.358
21.968	4.0428	21.94	4.0478	95	1602	49.9	557	57.8	0.313
22.661	3.9207	22.661	3.9207	158	51	1.6	8	0.8	0.141
23.639	3.7607	23.653	3.7585	103	438	13.6	156	16.2	0.321
24.634	3.611	24.634	3.611	72	62	1.9	11	1.1	0.16
25.815	3.4484	25.818	3.4481	73	257	8	60	6.2	0.21
26.682	3.3383	26.684	3.3381	47	2352	73.2	464	48.1	0.178
27.786	3.2081	27.769	3.21	56	3212	100	964	100	0.27
29.924	2.9835	29.962	2.9799	30	325	10.1	117	12.1	0.324
30.902	2.8914	30.901	2.8914	25	192	6	113	11.7	0.53
31.438	2.8432	31.438	2.8432	30	130	4	36	3.7	0.249
32.497	2.753	32.497	2.753	33	98	3.1	21	2.2	0.193
34.908	2.5682	34.905	2.5684	25	177	5.5	79	8.2	0.402
35.61	2.5192	35.608	2.5193	24	191	5.9	92	9.5	0.434
36.092	2.4866	36.09	2.4867	24	186	5.8	142	14.7	0.687
36.542	2.457	36.542	2.457	48	146	4.5	32	3.3	0.197
37.855	2.3747	37.855	2.3747	23	32	1	6	0.6	0.169
39.486	2.2803	39.486	2.2803	16	200	6.2	33	3.4	0.148
41.768	2.1609	41.785	2.16	6	169	5.3	51	5.3	0.272
42.529	2.1239	42.532	2.1238	15	184	5.7	67	7	0.328
45.066	2.0101	45.066	2.0101	27	27	0.8	5	0.5	0.167
45.839	1.978	45.839	1.978	43	76	2.4	13	1.3	0.154
47.296	1.9204	47.297	1.9204	22	46	1.4	19	2	0.372
48.433	1.8779	48.433	1.8779	23	41	1.3	11	1.1	0.241
49.283	1.8475	49.283	1.8475	32	55	1.7	8	0.8	0.131
50.186	1.8164	50.186	1.8164	22	349	10.9	75	7.8	0.193
51.009	1.789	51.021	1.7886	34	183	5.7	76	7.9	0.374
54.919	1.6705	54.919	1.6705	4	80	2.5	14	1.5	0.157
57	1.6143	57	1.6143	10	44	1.4	16	1.7	0.327
60	1.5406	60	1.5406	17	186	5.8	45	4.7	0.218
62.015	1.4953	62.018	1.4952	8	82	2.6	37	3.8	0.406
67.803	1.381	67.803	1.381	8	157	4.9	41	4.3	0.235
68.25	1.3731	68.24	1.3733	6	172	5.4	56	5.8	0.293

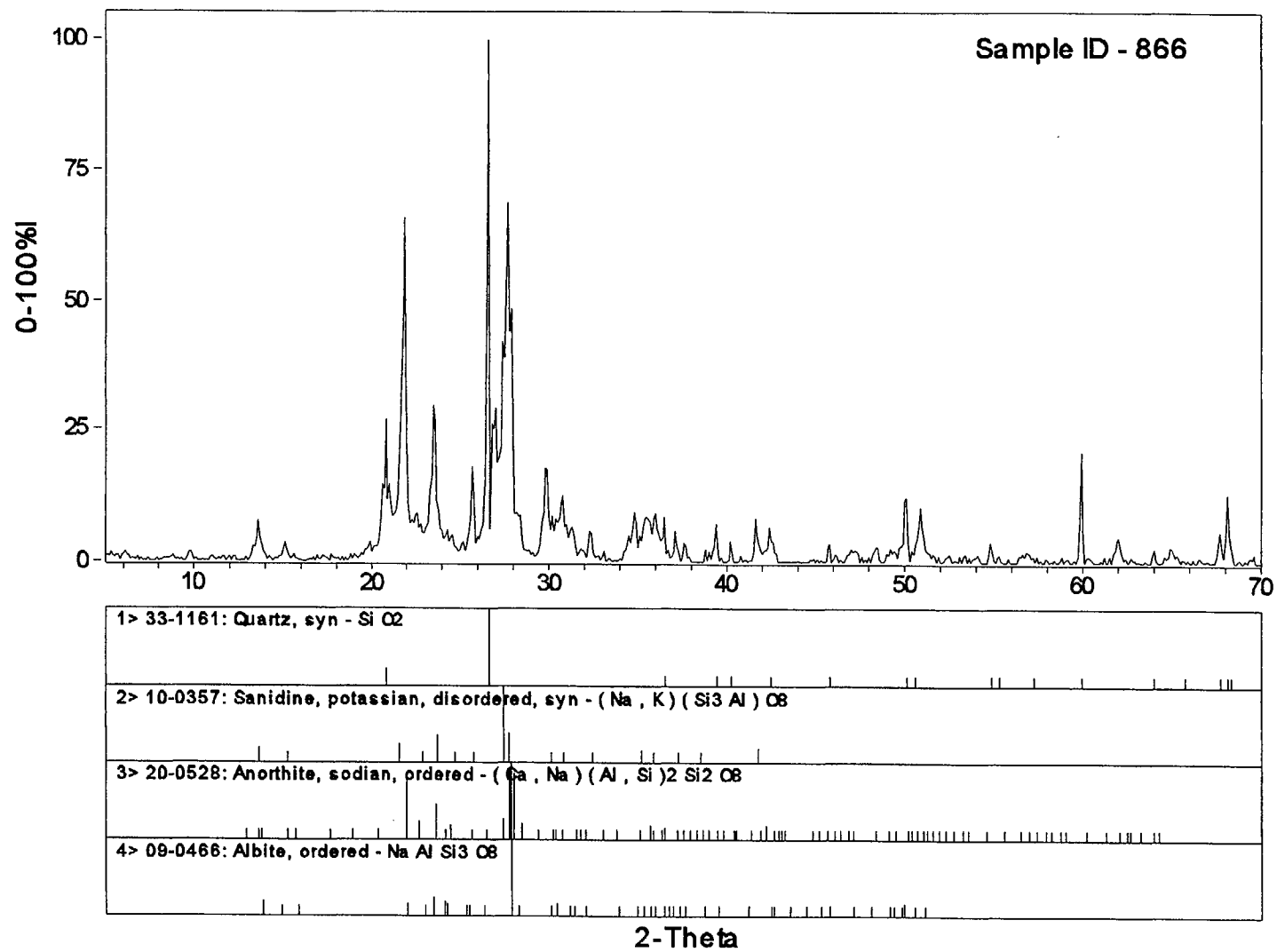
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Peak Analysis
Sample ID - 865

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
7.479	11.8105	7.479	11.8105	4	13	0.4	2	0.4	0.138
9.854	8.9686	9.854	8.9686	5	32	1.1	6	1.3	0.169
13.663	6.4758	13.648	6.4829	10	155	5.1	50	10.6	0.29
15.186	5.8296	15.187	5.8292	4	54	1.8	15	3.2	0.25
19.05	4.655	19.05	4.655	15	9	0.3	2	0.4	0.2
19.779	4.485	19.779	4.485	39	39	1.3	12	2.5	0.277
20.886	4.2497	20.905	4.2459	90	450	14.8	161	34	0.322
21.894	4.0563	21.877	4.0595	171	1093	36	338	71.5	0.278
23.618	3.764	23.618	3.764	196	384	12.7	84	17.8	0.197
25.757	3.456	25.757	3.456	68	298	9.8	64	13.5	0.193
26.613	3.3468	26.612	3.3469	59	2319	76.5	473	100	0.184
27.697	3.2183	27.697	3.2183	54	3033	100	462	97.7	0.137
29.903	2.9857	29.911	2.9849	29	342	11.3	119	25.2	0.313
30.795	2.9011	30.796	2.9011	32	241	7.9	84	17.8	0.314
31.399	2.8467	31.399	2.8467	37	192	6.3	32	6.8	0.15
32.406	2.7605	32.406	2.7605	38	98	3.2	15	3.2	0.138
34.889	2.5695	34.898	2.5689	20	197	6.5	108	22.8	0.493
35.594	2.5202	35.593	2.5203	30	204	6.7	159	33.6	0.701
36.088	2.4869	36.09	2.4867	26	210	6.9	76	16.1	0.326
36.516	2.4587	36.516	2.4587	38	196	6.5	43	9.1	0.197
37.216	2.414	37.216	2.414	36	64	2.1	16	3.4	0.225
38.818	2.318	38.818	2.318	4	42	1.4	6	1.3	0.129
39.421	2.284	39.421	2.284	6	278	9.2	48	10.1	0.155
46.146	1.9655	46.146	1.9655	28	158	5.2	29	6.1	0.165
47.253	1.922	47.253	1.922	11	35	1.2	7	1.5	0.18
49.299	1.847	49.299	1.847	16	41	1.4	8	1.7	0.176
50.102	1.8192	50.09	1.8196	4	281	9.3	85	18	0.272
50.966	1.7904	50.939	1.7913	6	238	7.8	80	16.9	0.303
54.856	1.6723	54.856	1.6723	15	71	2.3	17	3.6	0.215
57.051	1.613	57.051	1.613	7	44	1.5	12	2.5	0.245
59.065	1.5627	59.065	1.5627	9	13	0.4	2	0.4	0.138
59.953	1.5417	59.953	1.5417	22	124	4.1	30	6.3	0.218
62.004	1.4955	62.024	1.4951	7	111	3.7	37	7.8	0.3
63.999	1.4536	63.999	1.4536	4	50	1.6	7	1.5	0.126
67.006	1.3955	66.993	1.3958	2	41	1.4	7	1.5	0.154
67.713	1.3827	67.713	1.3827	7	158	5.2	31	6.6	0.177
68.154	1.3748	68.15	1.3748	9	146	4.8	51	10.8	0.314

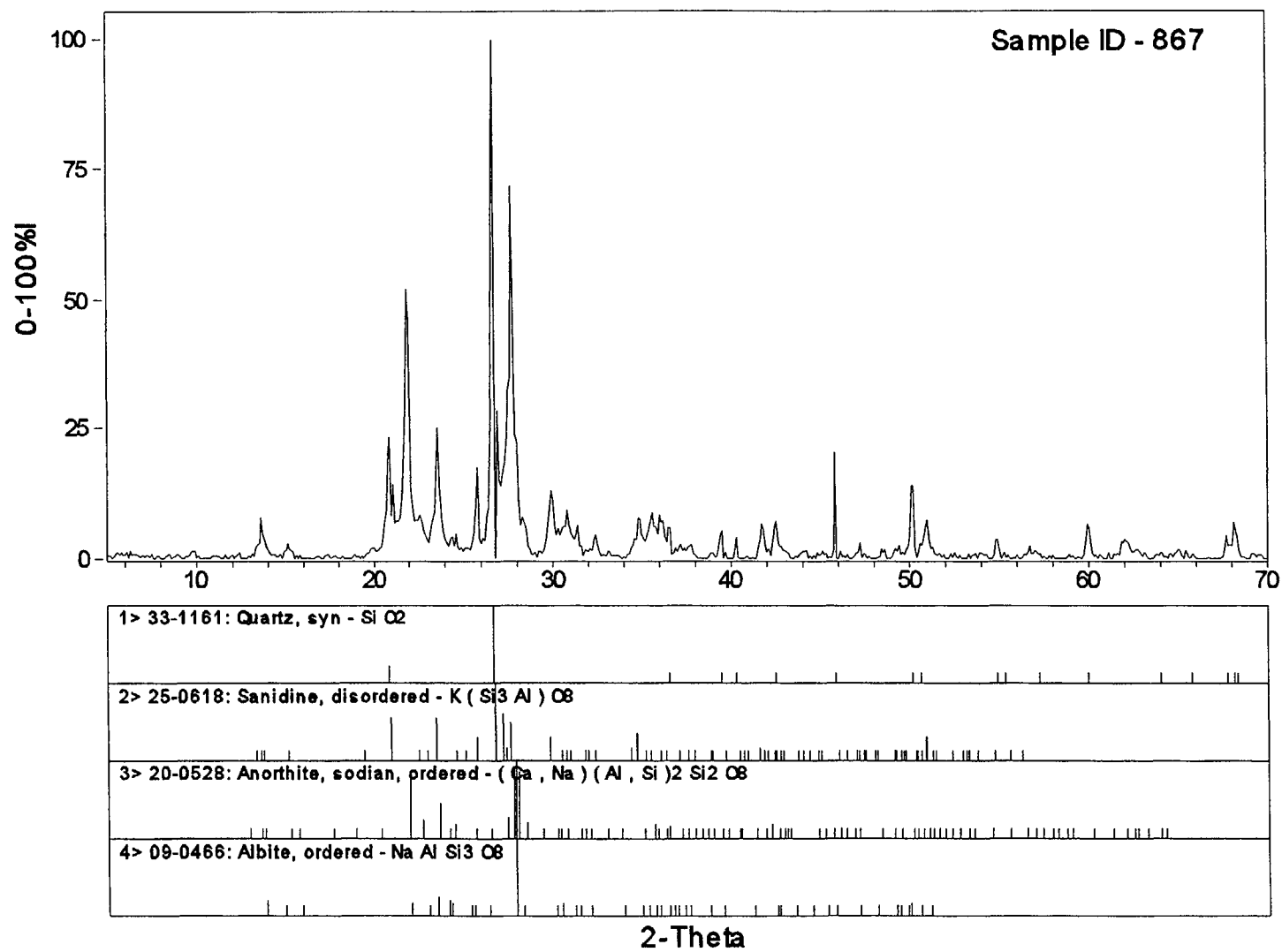
C-115



Peak Analysis
Sample ID - 866

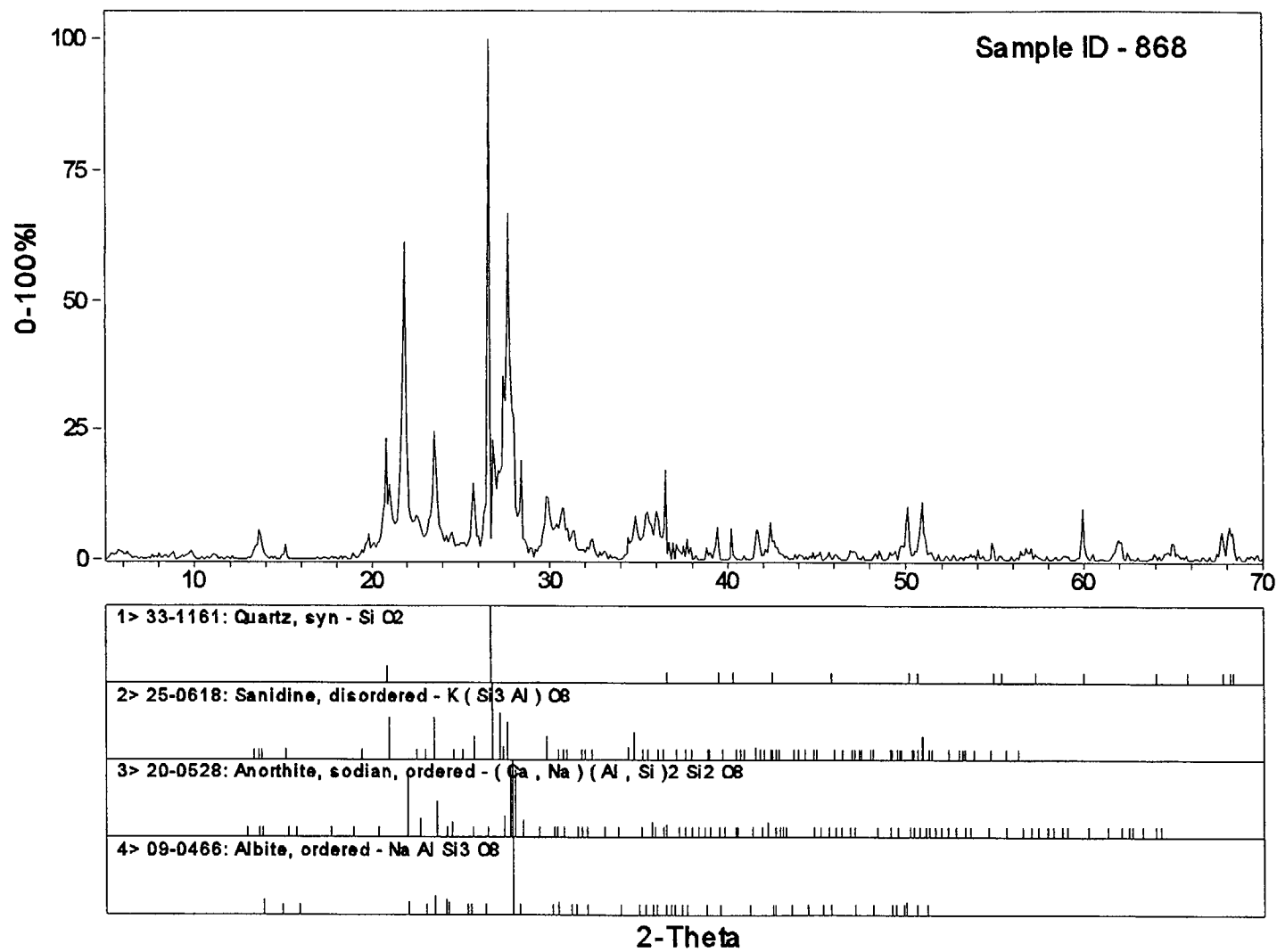
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.773	9.0433	9.773	9.0433	4	37	1.7	10	1.3	0.243
13.608	6.5017	13.593	6.509	8	169	7.5	61	7.7	0.325
15.106	5.8602	15.094	5.8649	6	75	3.3	24	3	0.288
20.794	4.2684	20.794	4.2684	98	524	23.4	91	11.5	0.156
21.854	4.0637	21.831	4.0678	105	1413	63.1	510	64.5	0.325
22.56	3.9381	22.56	3.9381	174	33	1.5	6	0.8	0.164
23.512	3.7808	23.528	3.7782	109	575	25.7	193	24.4	0.302
25.694	3.4644	25.694	3.4644	123	291	13	55	7	0.17
26.577	3.3513	26.579	3.351	67	2241	100	422	53.4	0.169
26.994	3.3004	26.994	3.3004	57	617	27.5	246	31.1	0.359
27.695	3.2185	27.667	3.2217	84	1501	67	791	100	0.474
29.82	2.9937	29.831	2.9927	34	371	16.6	138	17.4	0.335
30.78	2.9025	30.735	2.9067	38	249	11.1	115	14.5	0.416
31.285	2.8568	31.286	2.8568	23	129	5.8	49	6.2	0.342
32.327	2.7671	32.327	2.7671	40	92	4.1	21	2.7	0.205
34.796	2.5762	34.794	2.5764	13	200	8.9	60	7.6	0.27
35.503	2.5265	35.541	2.5239	12	184	8.2	124	15.7	0.607
35.992	2.4932	35.994	2.4931	14	198	8.8	95	12	0.432
37.134	2.4192	37.134	2.4192	24	112	5	19	2.4	0.153
37.641	2.3877	37.641	2.3877	17	64	2.9	12	1.5	0.169
39.364	2.2871	39.364	2.2871	12	153	6.8	26	3.3	0.153
40.225	2.2401	40.225	2.2401	8	82	3.7	11	1.4	0.121
41.654	2.1665	41.654	2.1665	7	181	8.1	40	5.1	0.199
42.423	2.129	42.41	2.1296	10	140	6.2	52	6.6	0.334
45.753	1.9815	45.753	1.9815	27	52	2.3	10	1.3	0.173
47.201	1.924	47.201	1.924	16	37	1.7	13	1.6	0.316
48.397	1.8792	48.397	1.8792	12	55	2.5	17	2.1	0.278
50.053	1.8209	50.053	1.8209	10	273	12.2	69	8.7	0.227
50.906	1.7923	50.911	1.7922	37	201	9	63	8	0.282
54.074	1.6946	54.074	1.6946	7	29	1.3	7	0.9	0.217
54.806	1.6737	54.806	1.6737	6	81	3.6	16	2	0.178
56.815	1.6192	56.793	1.6197	11	34	1.5	15	1.9	0.397
59.891	1.5431	59.891	1.5431	36	447	19.9	68	8.6	0.137
61.978	1.4961	61.958	1.4965	10	101	4.5	35	4.4	0.312
63.981	1.454	63.981	1.454	10	50	2.2	9	1.1	0.162
64.94	1.4348	64.933	1.435	6	60	2.7	22	2.8	0.33
67.69	1.3831	67.69	1.3831	11	125	5.6	28	3.5	0.202
68.121	1.3754	68.119	1.3754	12	287	12.8	63	8	0.198

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Peak Analysis
Sample ID - 867

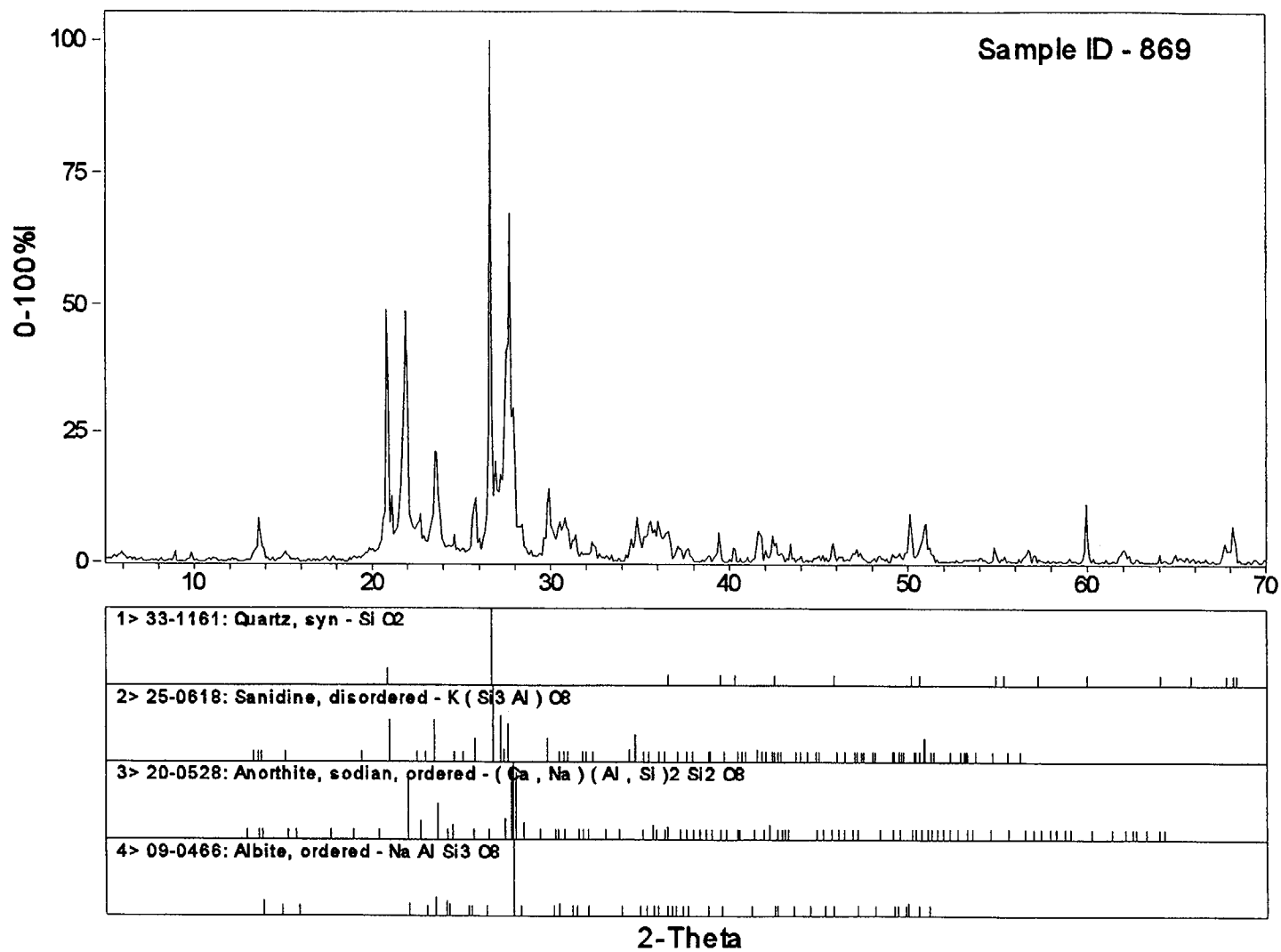
Peak Position 2Theta	Centroid Position d	Peak Position 2Theta	Centroid Position d	Bkgrnd counts	Peak counts	Intensity %	Area	Intensity %	FWHM
9.765	9.0505	9.751	9.0632	3	34	2.2	14	2.5	0.371
12.369	7.1504	12.369	7.1504	8	22	1.4	3	0.5	0.123
13.617	6.4974	13.629	6.4919	11	198	12.6	68	12.2	0.309
15.108	5.8595	15.142	5.8465	20	58	3.7	17	3	0.264
18.896	4.6926	18.896	4.6926	5	16	1	3	0.5	0.169
20.879	4.2512	20.913	4.2443	60	558	35.5	217	38.8	0.35
21.897	4.0558	21.889	4.0573	83	1292	82.2	559	100	0.389
22.636	3.925	22.636	3.925	166	29	1.8	8	1.4	0.248
23.591	3.7683	23.584	3.7694	93	573	36.5	170	30.4	0.267
26.656	3.3415	26.656	3.3415	1071	1571	100	279	49.9	0.16
27.716	3.216	27.716	3.216	699	1196	76.1	205	36.7	0.154
29.904	2.9855	29.91	2.985	31	316	20.1	127	22.7	0.362
30.792	2.9014	30.769	2.9036	25	224	14.3	127	22.7	0.51
31.368	2.8494	31.368	2.8494	29	142	9	38	6.8	0.241
32.4	2.761	32.4	2.761	31	92	5.9	22	3.9	0.215
34.822	2.5743	34.834	2.5735	27	181	11.5	81	14.5	0.403
35.598	2.5199	35.595	2.5202	44	191	12.2	98	17.5	0.462
36.007	2.4923	35.993	2.4932	13	210	13.4	133	23.8	0.57
36.525	2.4581	36.525	2.4581	35	123	7.8	30	5.4	0.22
37.735	2.382	37.728	2.3824	21	50	3.2	13	2.3	0.234
39.454	2.2821	39.454	2.2821	53	90	5.7	17	3	0.17
41.718	2.1633	41.729	2.1628	16	163	10.4	49	8.8	0.271
42.485	2.1261	42.512	2.1248	9	182	11.6	59	10.6	0.292
45.1	2.0087	45.1	2.0087	13	26	1.7	4	0.7	0.138
48.422	1.8783	48.422	1.8783	10	42	2.7	6	1.1	0.129
49.376	1.8442	49.376	1.8442	14	54	3.4	8	1.4	0.133
50.125	1.8184	50.111	1.8189	5	367	23.4	100	17.9	0.245
50.962	1.7905	50.946	1.791	24	172	10.9	66	11.8	0.345
54.86	1.6722	54.86	1.6722	12	88	5.6	22	3.9	0.225
56.699	1.6222	56.699	1.6222	7	60	3.8	14	2.5	0.21
59.945	1.5419	59.955	1.5417	8	170	10.8	50	8.9	0.265
61.998	1.4957	62.034	1.4949	9	91	5.8	55	9.8	0.544
64.029	1.453	64.029	1.453	8	25	1.6	6	1.1	0.216
64.973	1.4342	64.973	1.4342	16	34	2.2	9	1.6	0.238
67.738	1.3822	67.78	1.3815	3	119	7.6	38	6.8	0.287
68.127	1.3753	68.112	1.3755	3	186	11.8	71	12.7	0.344



Peak Analysis
Sample ID - 868

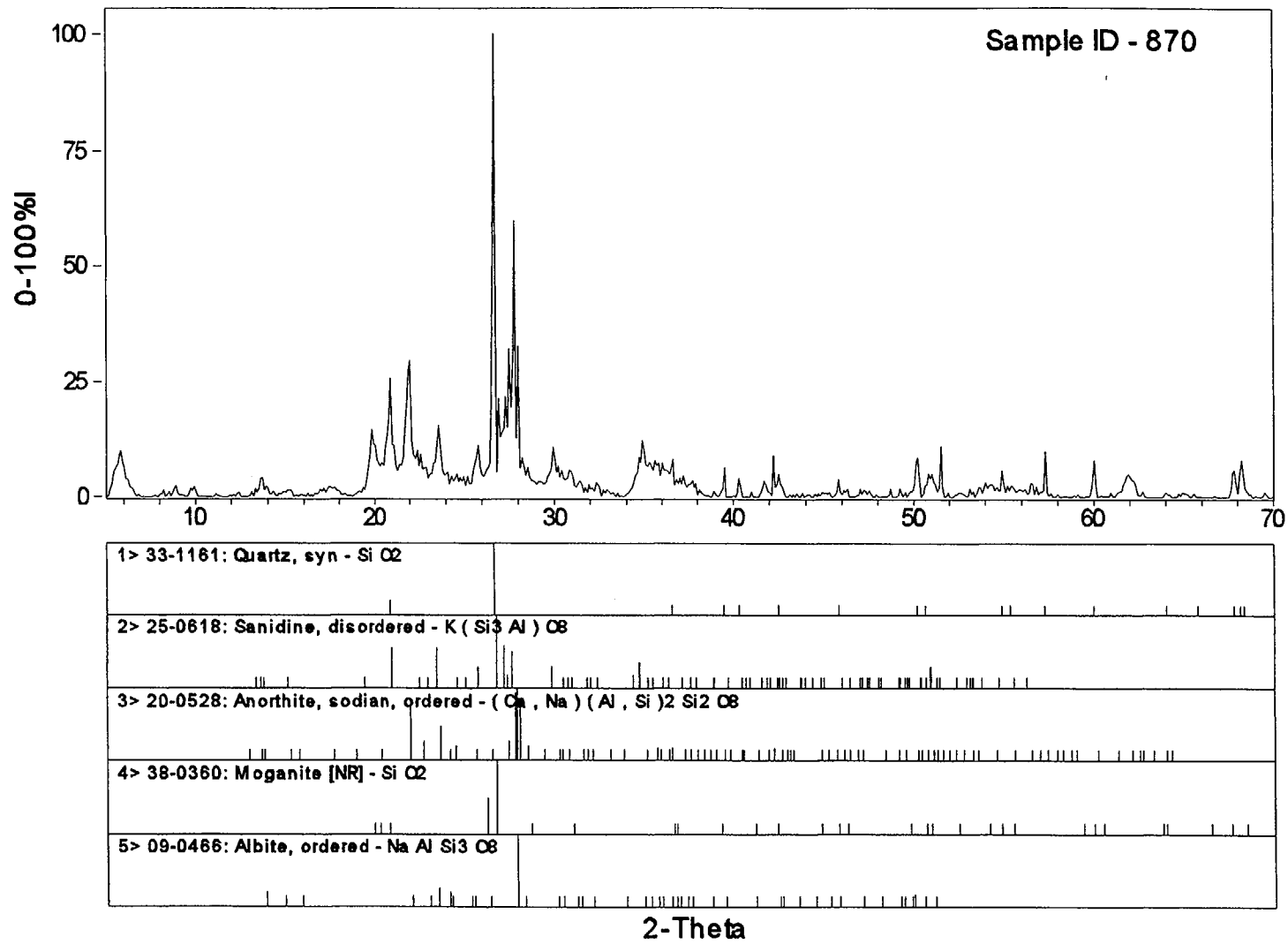
Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
11.081	7.9785	11.081	7.9785	5	18	0.7	5	0.5	0.25
13.612	6.5002	13.602	6.5046	5	143	5.6	52	5.7	0.327
15.067	5.8755	15.067	5.8755	7	66	2.6	10	1.1	0.136
19.773	4.4864	19.773	4.4864	77	51	2	7	0.8	0.124
20.799	4.2673	20.799	4.2673	78	536	20.9	139	15.2	0.233
21.858	4.0629	21.84	4.0663	111	1509	58.9	485	53.1	0.289
22.504	3.9477	22.504	3.9477	124	94	3.7	41	4.5	0.393
23.523	3.7789	23.523	3.7789	112	540	21.1	163	17.8	0.272
24.49	3.6319	24.49	3.6319	101	36	1.4	6	0.7	0.15
25.703	3.4632	25.703	3.4632	88	298	11.6	65	7.1	0.196
26.574	3.3517	26.576	3.3514	81	2561	100	446	48.8	0.157
26.882	3.314	26.882	3.314	64	433	16.9	134	14.7	0.279
27.695	3.2184	27.673	3.2209	67	1698	66.3	914	100	0.484
29.835	2.9923	29.912	2.9847	41	274	10.7	135	14.8	0.443
30.703	2.9096	30.699	2.91	32	229	8.9	114	12.5	0.448
31.34	2.852	31.33	2.8528	34	109	4.3	44	4.8	0.363
32.372	2.7633	32.372	2.7633	39	66	2.6	14	1.5	0.191
34.803	2.5757	34.805	2.5755	19	199	7.8	89	9.7	0.403
35.496	2.527	35.497	2.5269	32	205	8	122	13.3	0.536
35.995	2.4931	35.996	2.493	42	204	8	84	9.2	0.371
39.382	2.2861	39.382	2.2861	19	143	5.6	24	2.6	0.151
41.655	2.1665	41.664	2.166	4	149	5.8	45	4.9	0.272
42.425	2.1289	42.447	2.1278	4	183	7.1	82	9	0.403
46.966	1.9331	46.966	1.9331	4	44	1.7	13	1.4	0.266
50.066	1.8204	50.078	1.82	22	248	9.7	71	7.8	0.258
50.896	1.7927	50.895	1.7927	13	279	10.9	80	8.8	0.258
54.832	1.6729	54.832	1.6729	12	78	3	12	1.3	0.138
56.716	1.6218	56.734	1.6213	8	55	2.1	16	1.8	0.262
58.935	1.5659	58.935	1.5659	7	16	0.6	5	0.5	0.281
59.905	1.5428	59.902	1.5429	6	254	9.9	46	5	0.163
61.932	1.4971	61.912	1.4975	11	94	3.7	37	4	0.354
64.54	1.4428	64.54	1.4428	11	24	0.9	5	0.5	0.188
64.929	1.4351	64.929	1.4351	8	77	3	20	2.2	0.234
67.696	1.383	67.696	1.383	11	131	5.1	33	3.6	0.227
68.102	1.3757	68.102	1.3757	10	158	6.2	41	4.5	0.234

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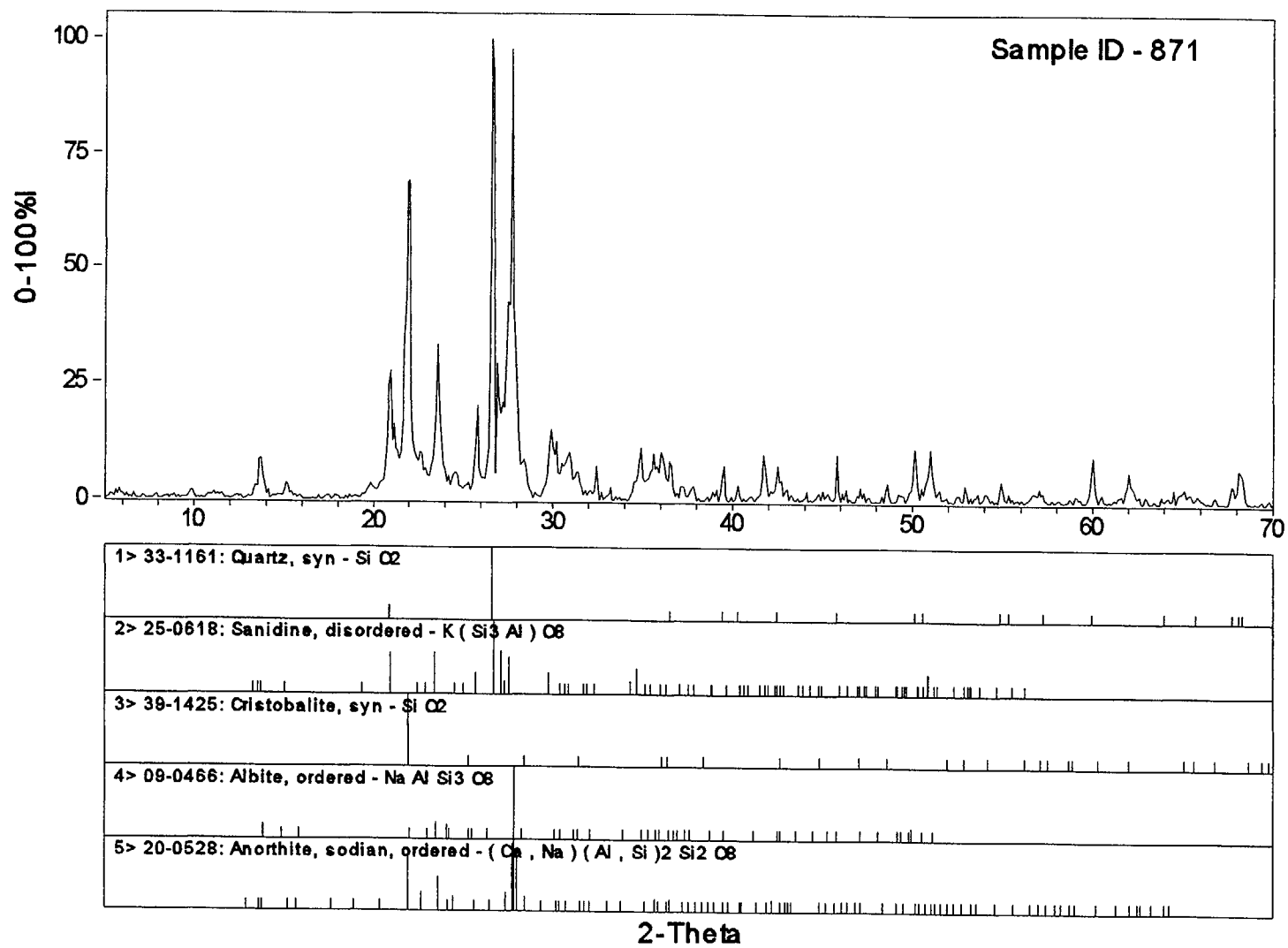
Peak Analysis
Sample ID - 869

Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
13.619	6.4968	13.623	6.4946	7	240	8.5	76	9.2	0.285
20.827	4.2617	20.826	4.2619	100	1314	46.4	281	33.9	0.192
21.869	4.0609	21.848	4.0648	105	1300	45.9	496	59.8	0.343
22.669	3.9194	22.669	3.9194	176	96	3.4	14	1.7	0.131
23.545	3.7755	23.564	3.7725	120	499	17.6	171	20.6	0.308
25.757	3.456	25.757	3.456	95	264	9.3	49	5.9	0.167
26.606	3.3477	26.605	3.3477	67	2831	100	520	62.7	0.165
27.693	3.2187	27.671	3.2212	71	1882	66.5	830	100	0.397
29.898	2.9861	29.926	2.9834	38	374	13.2	136	16.4	0.327
30.797	2.901	30.797	2.901	42	208	7.3	85	10.2	0.368
31.364	2.8498	31.364	2.8498	50	105	3.7	18	2.2	0.154
32.369	2.7636	32.369	2.7636	35	80	2.8	21	2.5	0.236
34.822	2.5743	34.817	2.5747	25	227	8	84	10.1	0.333
35.593	2.5203	35.594	2.5202	36	194	6.9	130	15.7	0.603
36.534	2.4575	36.534	2.4575	62	111	3.9	35	4.2	0.284
37.162	2.4174	37.162	2.4174	42	49	1.7	14	1.7	0.257
37.687	2.385	37.687	2.385	27	49	1.7	12	1.4	0.22
39.392	2.2856	39.376	2.2864	7	162	5.7	32	3.9	0.178
40.247	2.2389	40.247	2.2389	28	56	2	11	1.3	0.177
41.654	2.1665	41.649	2.1668	9	170	6	57	6.9	0.302
42.413	2.1295	42.413	2.1295	15	138	4.9	29	3.5	0.189
45.774	1.9806	45.774	1.9806	11	99	3.5	21	2.5	0.191
47.087	1.9284	47.087	1.9284	9	68	2.4	14	1.7	0.185
49.447	1.8418	49.447	1.8418	27	10	0.4	4	0.5	0.36
50.098	1.8193	50.087	1.8197	20	254	9	61	7.3	0.216
50.98	1.7899	50.939	1.7913	22	198	7	87	10.5	0.395
54.84	1.6727	54.84	1.6727	9	82	2.9	14	1.7	0.154
56.686	1.6225	56.686	1.6225	14	68	2.4	17	2	0.225
59.916	1.5426	59.916	1.5426	14	317	11.2	51	6.1	0.145
61.989	1.4959	61.998	1.4956	5	69	2.4	32	3.9	0.417
67.713	1.3827	67.752	1.3819	4	108	3.8	41	4.9	0.342
68.125	1.3753	68.095	1.3758	5	205	7.2	63	7.6	0.277



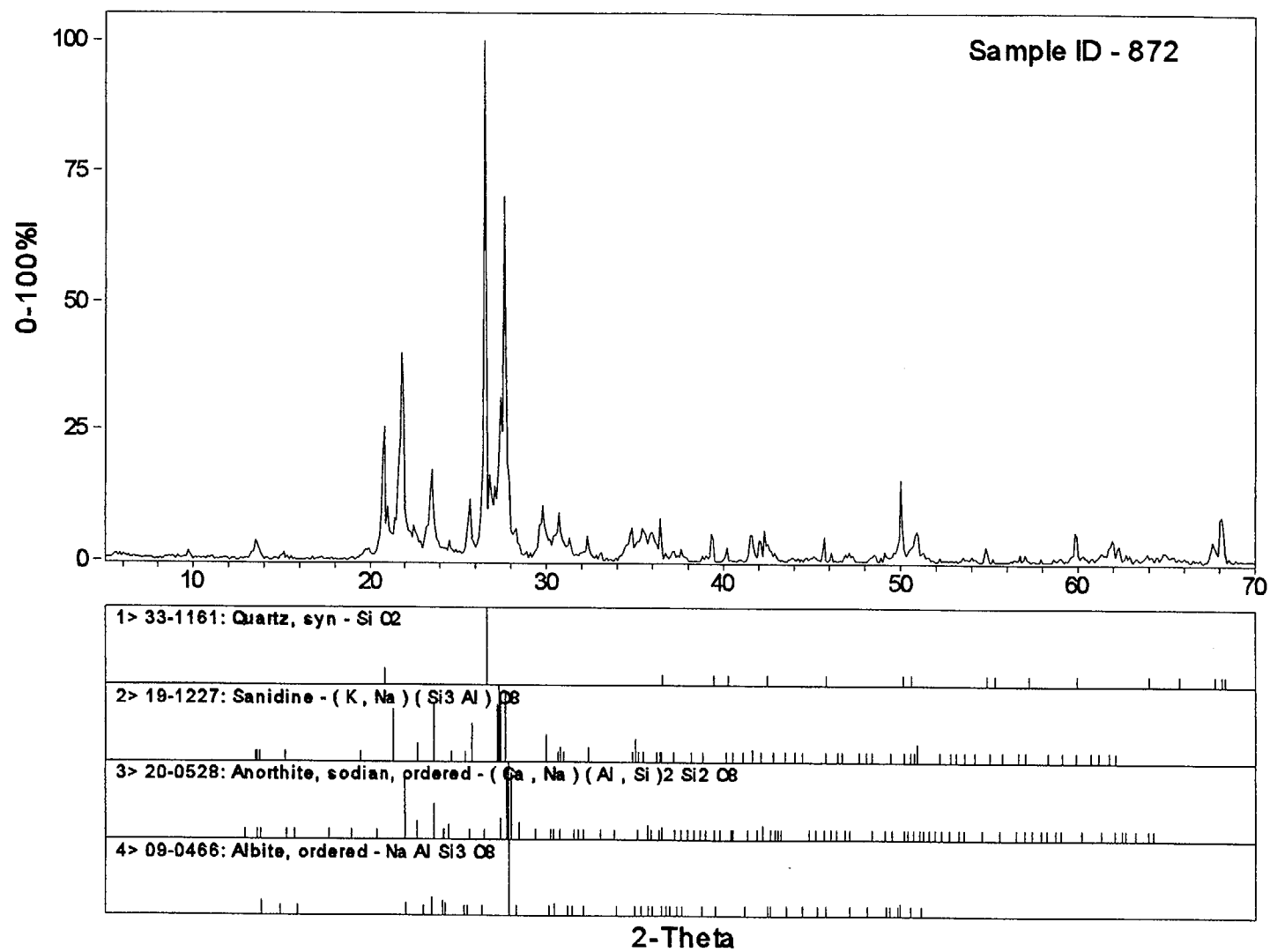
Peak Analysis
Sample ID - 870

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity			
Position		Position					counts	counts	%	Area
2Theta	d	2Theta	d			%				
5.793	15.2428	5.771	15.3009	11	212	10	137	30.7	0.582	
8.849	9.9846	8.849	9.9846	10	41	1.9	8	1.8	0.176	
9.894	8.9328	9.894	8.9328	3	47	2.2	10	2.2	0.191	
13.628	6.4924	13.628	6.4924	6	80	3.8	24	5.4	0.27	
16.914	5.2377	16.914	5.2377	9	27	1.3	6	1.3	0.2	
19.823	4.4752	19.862	4.4665	63	259	12.2	107	24	0.372	
20.876	4.2517	20.854	4.2561	122	449	21.2	125	28	0.251	
21.944	4.0472	21.943	4.0473	131	523	24.7	188	42.2	0.324	
23.589	3.7685	23.567	3.7721	104	239	11.3	67	15	0.252	
25.749	3.4571	25.749	3.4571	101	147	6.9	34	7.6	0.208	
26.672	3.3395	26.683	3.3381	84	2118	100	446	100	0.19	
27.22	3.2735	27.226	3.2728	76	254	12	188	42.2	0.666	
27.785	3.2082	27.786	3.2081	85	1235	58.3	282	63.2	0.206	
29.915	2.9845	29.913	2.9847	59	180	8.5	57	12.8	0.285	
30.827	2.8982	30.826	2.8983	48	80	3.8	29	6.5	0.326	
32.342	2.7658	32.342	2.7658	31	38	1.8	7	1.6	0.166	
34.907	2.5683	34.907	2.5683	43	227	10.7	121	27.1	0.48	
37.686	2.385	37.686	2.385	45	35	1.7	5	1.1	0.129	
40.32	2.2351	40.32	2.2351	12	79	3.7	12	2.7	0.137	
41.706	2.1639	41.727	2.1629	8	70	3.3	20	4.5	0.257	
42.501	2.1253	42.497	2.1255	7	106	5	33	7.4	0.28	
45.806	1.9793	45.806	1.9793	11	74	3.5	10	2.2	0.122	
47.498	1.9127	47.498	1.9127	5	30	1.4	5	1.1	0.15	
50.164	1.8171	50.164	1.8171	33	158	7.5	40	9	0.228	
50.813	1.7954	50.813	1.7954	33	81	3.8	20	4.5	0.222	
54.926	1.6703	54.926	1.6703	29	98	4.6	14	3.1	0.129	
56.549	1.6261	56.549	1.6261	22	45	2.1	9	2	0.18	
59.982	1.541	59.982	1.541	14	166	7.8	28	6.3	0.152	
61.902	1.4977	61.92	1.4973	4	105	5	71	15.9	0.609	
65.09	1.4319	65.09	1.4319	6	11	0.5	3	0.7	0.245	
67.778	1.3815	67.778	1.3815	11	117	5.5	32	7.2	0.246	
68.212	1.3738	68.21	1.3738	9	169	8	47	10.5	0.25	



Peak Analysis
Sample ID - 871

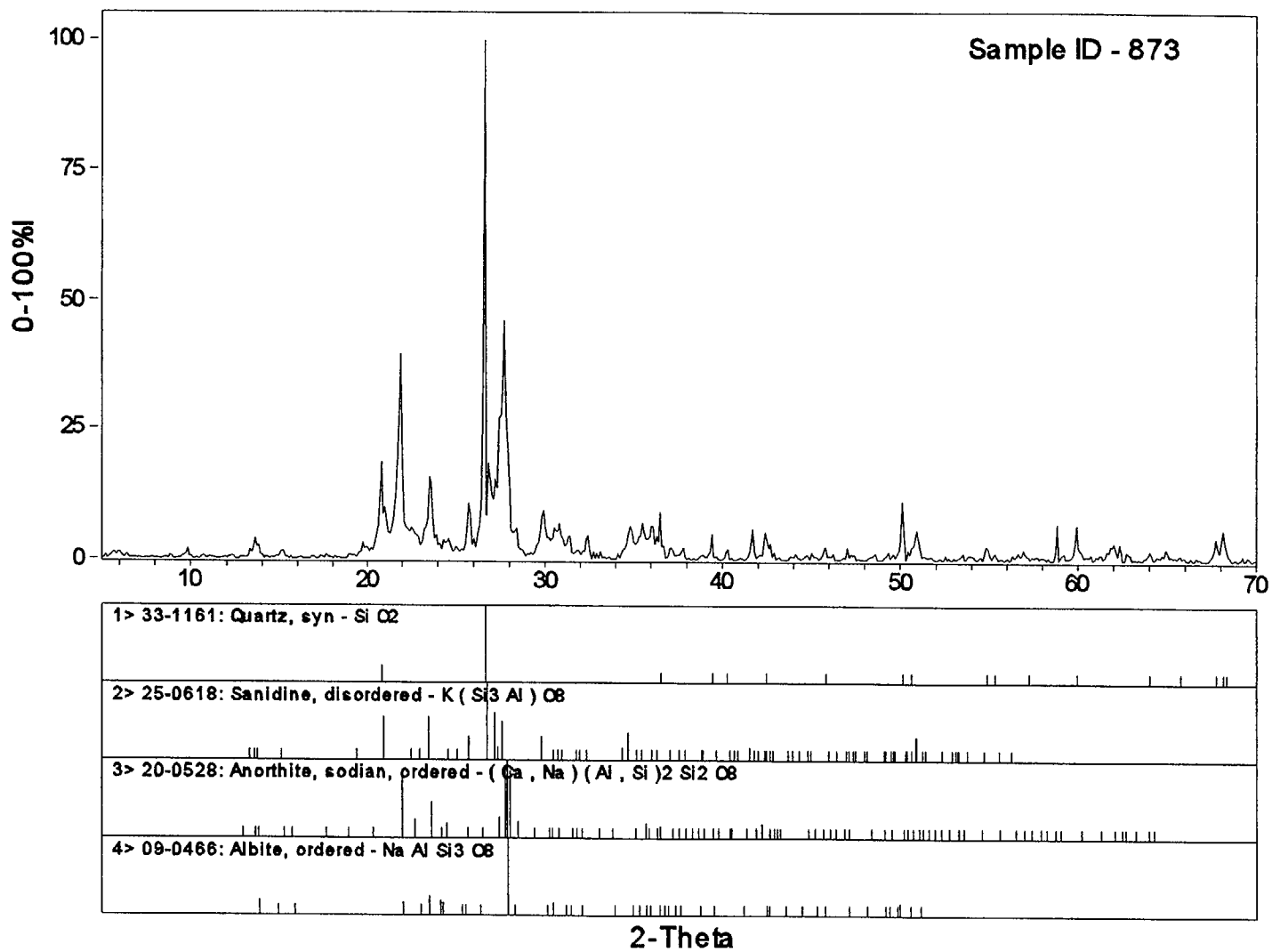
Peak Position		Centroid Position		Bkgrnd	Peak	Intensity	Intensity		
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
11.005	8.0335	11.038	8.0093	5	17	0.8	12	1.7	0.635
13.69	6.4631	13.69	6.463	13	174	8.4	55	7.8	0.284
15.134	5.8494	15.134	5.8494	10	66	3.2	17	2.4	0.232
19.786	4.4836	19.786	4.4836	41	35	1.7	8	1.1	0.206
20.883	4.2504	20.931	4.2407	84	507	24.6	203	28.7	0.36
21.94	4.0479	21.906	4.0541	96	1375	66.7	572	80.9	0.374
22.617	3.9282	22.617	3.9282	129	90	4.4	23	3.3	0.23
23.594	3.7677	23.593	3.7679	111	604	29.3	171	24.2	0.255
24.568	3.6205	24.568	3.6205	86	40	1.9	12	1.7	0.27
25.761	3.4555	25.761	3.4555	94	341	16.5	61	8.6	0.161
26.624	3.3454	26.623	3.3456	74	2062	100	511	72.3	0.223
27.208	3.2749	27.216	3.274	46	405	19.6	249	35.2	0.553
27.695	3.2185	27.688	3.2193	69	2019	97.9	707	100	0.315
29.916	2.9844	29.913	2.9846	30	296	14.4	116	16.4	0.353
30.874	2.894	30.888	2.8926	35	187	9.1	146	20.7	0.703
31.353	2.8508	31.312	2.8544	39	92	4.5	36	5.1	0.352
32.42	2.7593	32.42	2.7593	39	121	5.9	17	2.4	0.126
34.878	2.5703	34.887	2.5697	14	229	11.1	108	15.3	0.424
35.606	2.5194	35.609	2.5192	22	195	9.5	132	18.7	0.609
36.009	2.4921	35.995	2.4931	11	213	10.3	132	18.7	0.558
36.525	2.4581	36.525	2.4581	54	126	6.1	30	4.2	0.214
37.201	2.415	37.201	2.415	35	32	1.6	9	1.3	0.253
37.769	2.38	37.769	2.38	24	45	2.2	11	1.6	0.22
39.46	2.2818	39.46	2.2818	19	143	6.9	25	3.5	0.157
40.287	2.2368	40.287	2.2368	12	65	3.2	10	1.4	0.138
41.726	2.1629	41.726	2.1629	11	205	9.9	55	7.8	0.241
42.495	2.1255	42.488	2.1259	10	154	7.5	46	6.5	0.269
48.596	1.872	48.596	1.872	15	72	3.5	12	1.7	0.15
50.124	1.8185	50.109	1.819	14	229	11.1	64	9.1	0.252
50.987	1.7897	50.969	1.7903	12	229	11.1	77	10.9	0.303
52.549	1.7401	52.549	1.7401	15	17	0.8	4	0.6	0.212
52.926	1.7286	52.926	1.7286	20	58	2.8	8	1.1	0.124
54.049	1.6953	54.049	1.6953	13	28	1.4	6	0.8	0.193
54.909	1.6708	54.909	1.6708	13	83	4	15	2.1	0.163
57	1.6143	56.902	1.6169	3	63	3.1	30	4.2	0.429
59.983	1.541	59.976	1.5412	6	205	9.9	49	6.9	0.215
62.01	1.4954	62.04	1.4948	9	132	6.4	42	5.9	0.286
65.832	1.4175	65.832	1.4175	14	24	1.2	4	0.6	0.15
67.747	1.3821	67.747	1.3821	12	73	3.5	20	2.8	0.247
68.156	1.3747	68.142	1.375	8	146	7.1	63	8.9	0.388



Peak Analysis
Sample ID - 872

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
8.645	10.2202	8.645	10.2202	9	15	0.4	4	0.5	0.24
13.529	6.5397	13.542	6.5335	4	132	3.9	52	7	0.355
19.866	4.4655	19.866	4.4655	34	43	1.3	8	1.1	0.167
20.776	4.2721	20.804	4.2664	68	822	24.1	261	35	0.286
21.796	4.0744	21.795	4.0746	85	1302	38.1	471	63.1	0.326
23.498	3.7829	23.486	3.7849	102	503	14.7	156	20.9	0.279
25.653	3.4698	25.648	3.4705	85	323	9.5	70	9.4	0.195
26.516	3.3588	26.515	3.3589	65	3415	100	643	86.2	0.169
27.611	3.228	27.594	3.23	72	2370	69.4	746	100	0.283
29.788	2.9969	29.8	2.9958	43	325	9.5	123	16.5	0.341
30.695	2.9104	30.683	2.9115	37	282	8.3	133	17.8	0.424
31.266	2.8585	31.266	2.8585	32	122	3.6	32	4.3	0.236
32.301	2.7692	32.287	2.7705	34	135	4	27	3.6	0.18
34.782	2.5772	34.804	2.5756	35	186	5.4	92	12.3	0.445
35.417	2.5324	35.402	2.5335	46	175	5.1	108	14.5	0.555
35.907	2.499	35.906	2.4991	55	139	4.1	67	9	0.434
37.16	2.4175	37.16	2.4175	43	26	0.8	4	0.5	0.138
39.342	2.2883	39.342	2.2883	41	144	4.2	25	3.4	0.156
41.564	2.171	41.564	2.171	4	175	5.1	49	6.6	0.252
42.32	2.134	42.32	2.134	3	207	6.1	34	4.6	0.148
42.493	2.1257	42.493	2.1257	3	117	3.4	50	6.7	0.385
45.672	1.9848	45.672	1.9848	9	156	4.6	22	2.9	0.127
47.101	1.9279	47.101	1.9279	3	62	1.8	12	1.6	0.174
50.007	1.8225	50.003	1.8226	24	520	15.2	104	13.9	0.18
50.882	1.7931	50.868	1.7936	16	189	5.5	104	13.9	0.495
54.001	1.6967	54.001	1.6967	4	35	1	9	1.2	0.231
54.8	1.6738	54.8	1.6738	18	85	2.5	16	2.1	0.169
57.012	1.614	57.012	1.614	6	50	1.5	8	1.1	0.144
59.828	1.5446	59.822	1.5448	16	186	5.4	47	6.3	0.227
61.881	1.4982	61.883	1.4982	17	138	4	64	8.6	0.417
64.854	1.4365	64.854	1.4365	11	57	1.7	19	2.5	0.3
67.623	1.3843	67.646	1.3839	6	139	4.1	51	6.8	0.33
68.093	1.3759	68.093	1.3759	9	295	8.6	88	11.8	0.268

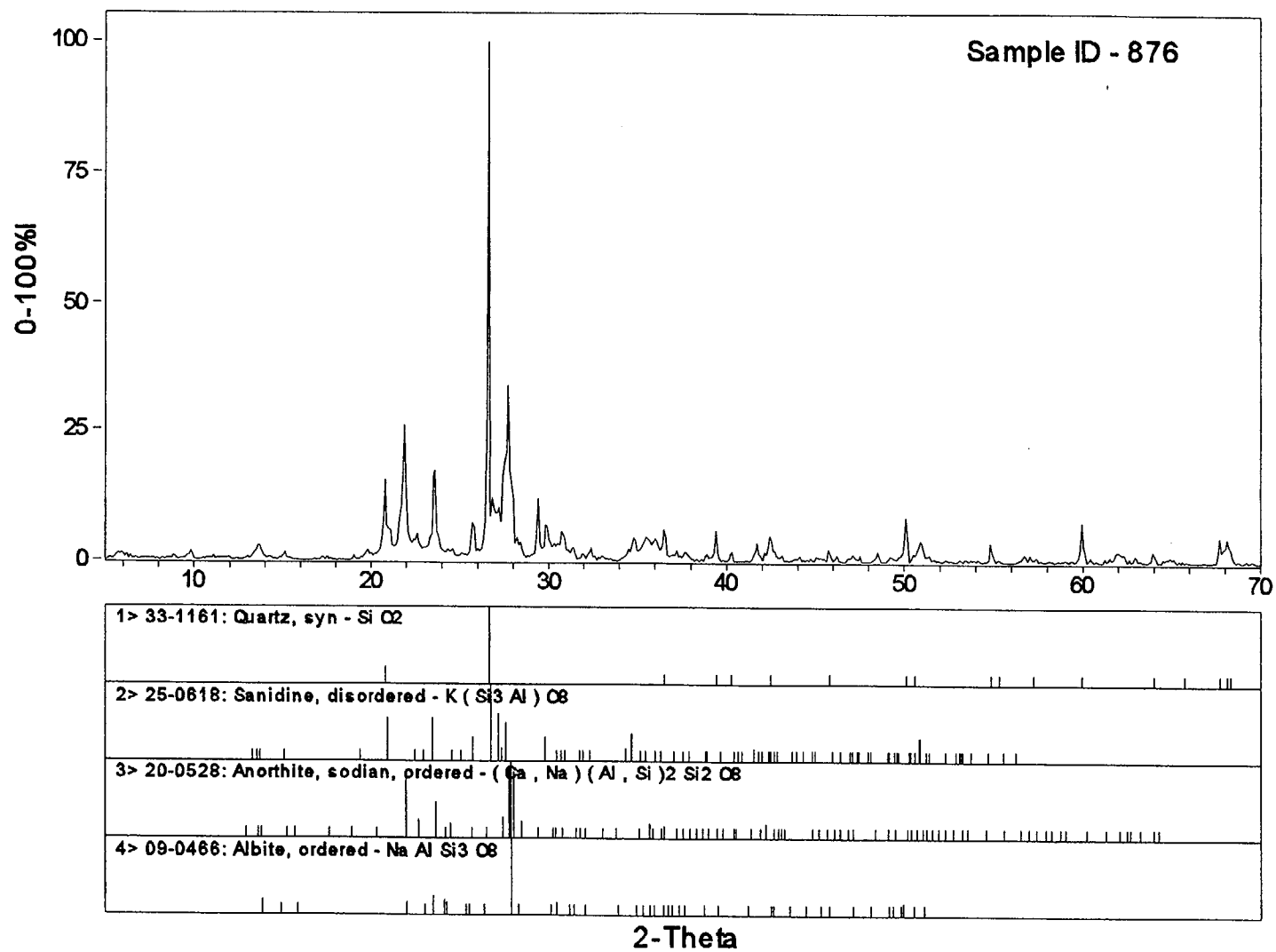
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Peak Analysis
Sample ID - 873

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
9.783	9.0338	9.764	9.0516	7	63	1.8	13	1.8	0.186
13.597	6.5069	13.605	6.5032	12	128	3.7	40	5.6	0.281
15.13	5.8509	15.13	5.8509	9	48	1.4	14	2	0.262
18.972	4.6738	18.972	4.6738	12	15	0.4	4	0.6	0.24
19.712	4.5	19.741	4.4936	48	64	1.9	14	2	0.197
20.792	4.2688	20.825	4.262	84	569	16.5	171	23.9	0.27
21.865	4.0616	21.843	4.0657	98	1283	37.2	498	69.6	0.349
23.53	3.7778	23.518	3.7797	105	447	13	141	19.7	0.284
24.579	3.6189	24.579	3.6189	84	51	1.5	9	1.3	0.159
25.712	3.462	25.712	3.462	96	279	8.1	59	8.2	0.19
26.583	3.3506	26.584	3.3504	65	3447	100	608	84.9	0.159
26.9	3.3117	26.948	3.3059	50	507	14.7	267	37.3	0.474
27.685	3.2196	27.656	3.2229	74	1538	44.6	716	100	0.419
29.883	2.9876	29.905	2.9854	39	291	8.4	130	18.2	0.402
30.78	2.9026	30.782	2.9023	39	205	5.9	82	11.5	0.36
31.351	2.8509	31.351	2.8509	47	111	3.2	22	3.1	0.178
32.37	2.7635	32.37	2.7635	41	121	3.5	24	3.4	0.179
34.8	2.5759	34.807	2.5754	23	201	5.8	98	13.7	0.439
35.496	2.5269	35.503	2.5265	29	217	6.3	118	16.5	0.489
35.999	2.4928	35.999	2.4928	14	211	6.1	169	23.6	0.721
36.493	2.4602	36.493	2.4602	41	282	8.2	41	5.7	0.131
37.768	2.38	37.768	2.38	16	66	1.9	11	1.5	0.15
39.38	2.2862	39.383	2.2861	6	168	4.9	30	4.2	0.161
40.257	2.2384	40.257	2.2384	23	51	1.5	9	1.3	0.159
41.668	2.1658	41.67	2.1657	5	199	5.8	43	6	0.194
42.423	2.129	42.415	2.1294	6	180	5.2	61	8.5	0.305
45.756	1.9814	45.764	1.9811	14	74	2.1	18	2.5	0.219
47.207	1.9238	47.19	1.9244	3	34	1	14	2	0.371
49.278	1.8477	49.278	1.8477	22	35	1	5	0.7	0.129
50.099	1.8193	50.099	1.8193	65	329	9.5	51	7.1	0.14
50.909	1.7923	50.892	1.7928	49	153	4.4	43	6	0.253
54.834	1.6729	54.834	1.6729	24	66	1.9	18	2.5	0.245
56.911	1.6167	56.87	1.6177	12	60	1.7	20	2.8	0.3
59.913	1.5426	59.913	1.5426	52	186	5.4	30	4.2	0.145
61.954	1.4966	61.958	1.4965	20	99	2.9	43	6	0.391
63.989	1.4538	63.989	1.4538	16	51	1.5	11	1.5	0.194
64.914	1.4353	64.902	1.4356	5	76	2.2	31	4.3	0.367
67.713	1.3827	67.712	1.3827	4	147	4.3	44	6.1	0.269
68.107	1.3756	68.106	1.3756	6	199	5.8	64	8.9	0.289

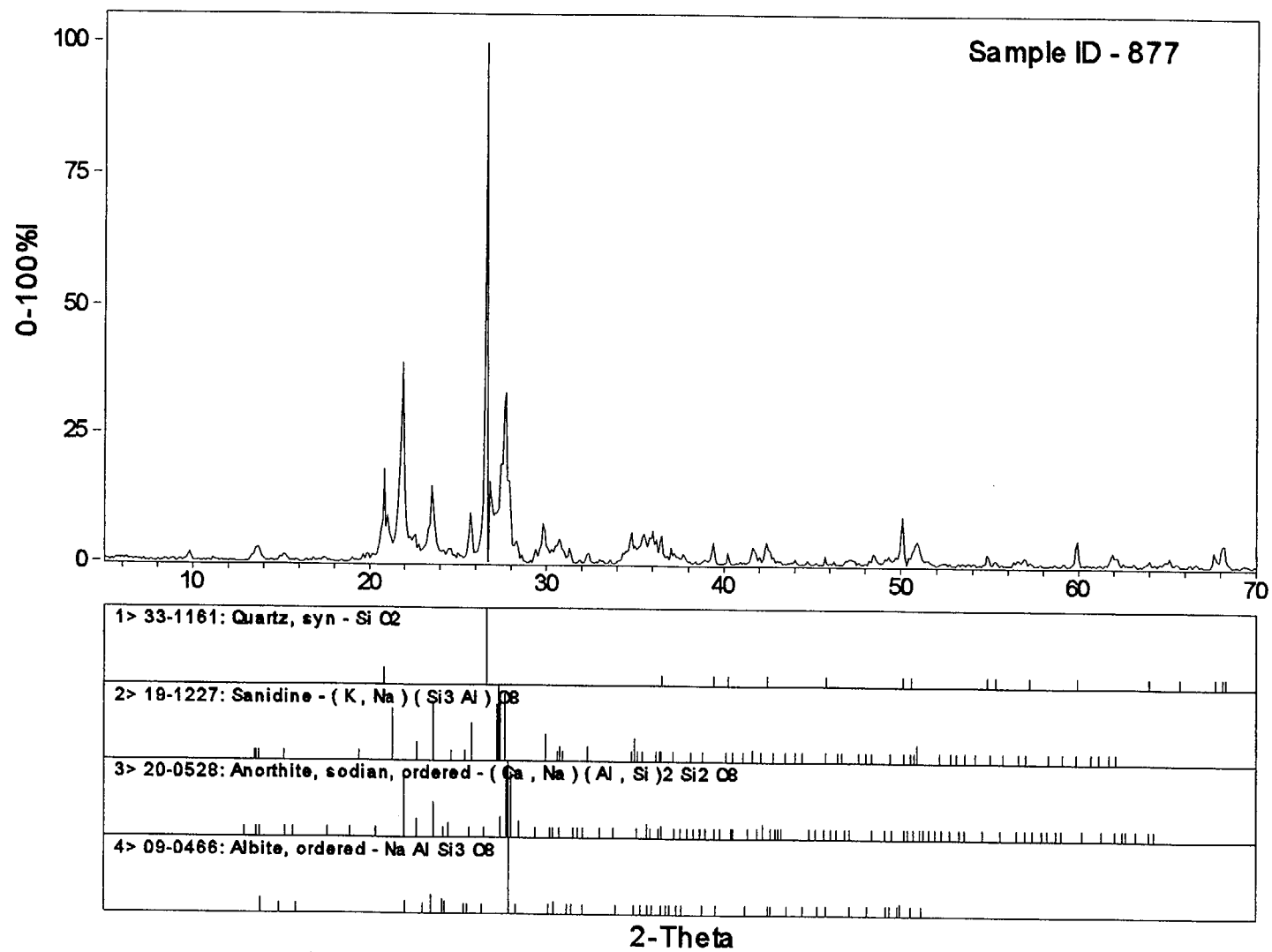
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Peak Analysis
Sample ID - 876

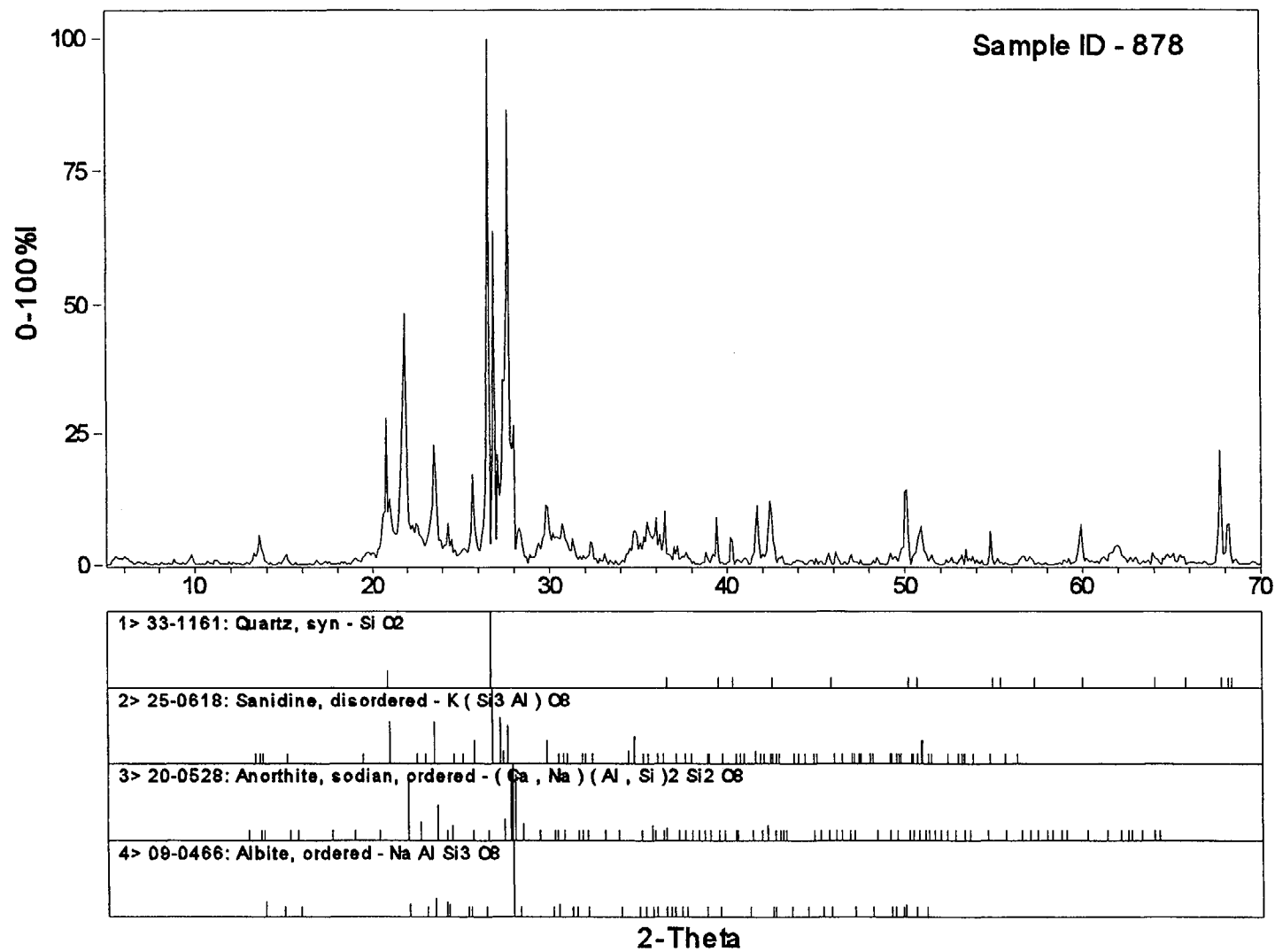
Peak		Centroid		Bkgrnd	Peak	Intensity	Area	Intensity	
Position		Position						%	FWHM
2Theta	d	2Theta	d	counts	counts	%			
9.772	9.0439	9.756	9.0588	3	78	1.7	21	2.9	0.242
13.615	6.4985	13.609	6.5014	8	122	2.6	55	7.6	0.406
15.09	5.8665	15.103	5.8614	8	64	1.4	15	2.1	0.211
19.772	4.4865	19.772	4.4865	39	58	1.3	11	1.5	0.171
20.809	4.2653	20.84	4.259	105	615	13.3	148	20.5	0.217
21.877	4.0594	21.859	4.0627	92	1118	24.3	361	49.9	0.291
22.592	3.9326	22.592	3.9326	109	133	2.9	28	3.9	0.189
23.57	3.7715	23.563	3.7726	88	723	15.7	202	27.9	0.251
25.718	3.4612	25.718	3.4612	139	199	4.3	42	5.8	0.19
26.587	3.35	26.588	3.3499	47	4607	100	723	100	0.141
27.688	3.2192	27.673	3.221	82	1493	32.4	599	82.8	0.361
29.401	3.0355	29.401	3.0355	53	503	10.9	86	11.9	0.154
29.841	2.9917	29.826	2.9931	36	283	6.1	144	19.9	0.458
30.712	2.9088	30.7	2.9099	32	226	4.9	124	17.2	0.494
32.369	2.7636	32.369	2.7636	21	96	2.1	21	2.9	0.197
34.804	2.5756	34.803	2.5757	16	194	4.2	98	13.6	0.455
35.506	2.5263	35.509	2.5261	22	193	4.2	151	20.9	0.704
36.5	2.4598	36.5	2.4598	59	227	4.9	50	6.9	0.198
37.723	2.3828	37.723	2.3828	36	46	1	11	1.5	0.215
39.393	2.2855	39.377	2.2864	13	257	5.6	43	5.9	0.151
40.258	2.2383	40.258	2.2383	22	62	1.3	11	1.5	0.16
41.69	2.1647	41.689	2.1648	4	160	3.5	41	5.7	0.231
42.422	2.129	42.428	2.1288	4	225	4.9	65	9	0.26
45.743	1.9819	45.743	1.9819	34	43	0.9	12	1.7	0.251
47.079	1.9287	47.079	1.9287	14	47	1	10	1.4	0.191
48.481	1.8762	48.481	1.8762	11	78	1.7	16	2.2	0.185
50.089	1.8197	50.089	1.8197	64	335	7.3	63	8.7	0.169
50.922	1.7918	50.924	1.7917	50	133	2.9	42	5.8	0.284
54.839	1.6727	54.839	1.6727	12	157	3.4	26	3.6	0.149
57.059	1.6128	57.06	1.6128	5	25	0.5	12	1.7	0.432
59.918	1.5425	59.918	1.5425	26	334	7.2	62	8.6	0.167
61.939	1.4969	61.972	1.4962	17	74	1.6	32	4.4	0.389
63.956	1.4545	63.956	1.4545	9	89	1.9	18	2.5	0.182
67.701	1.3829	67.701	1.3829	2	225	4.9	41	5.7	0.164
68.103	1.3757	68.09	1.3759	3	215	4.7	92	12.7	0.385

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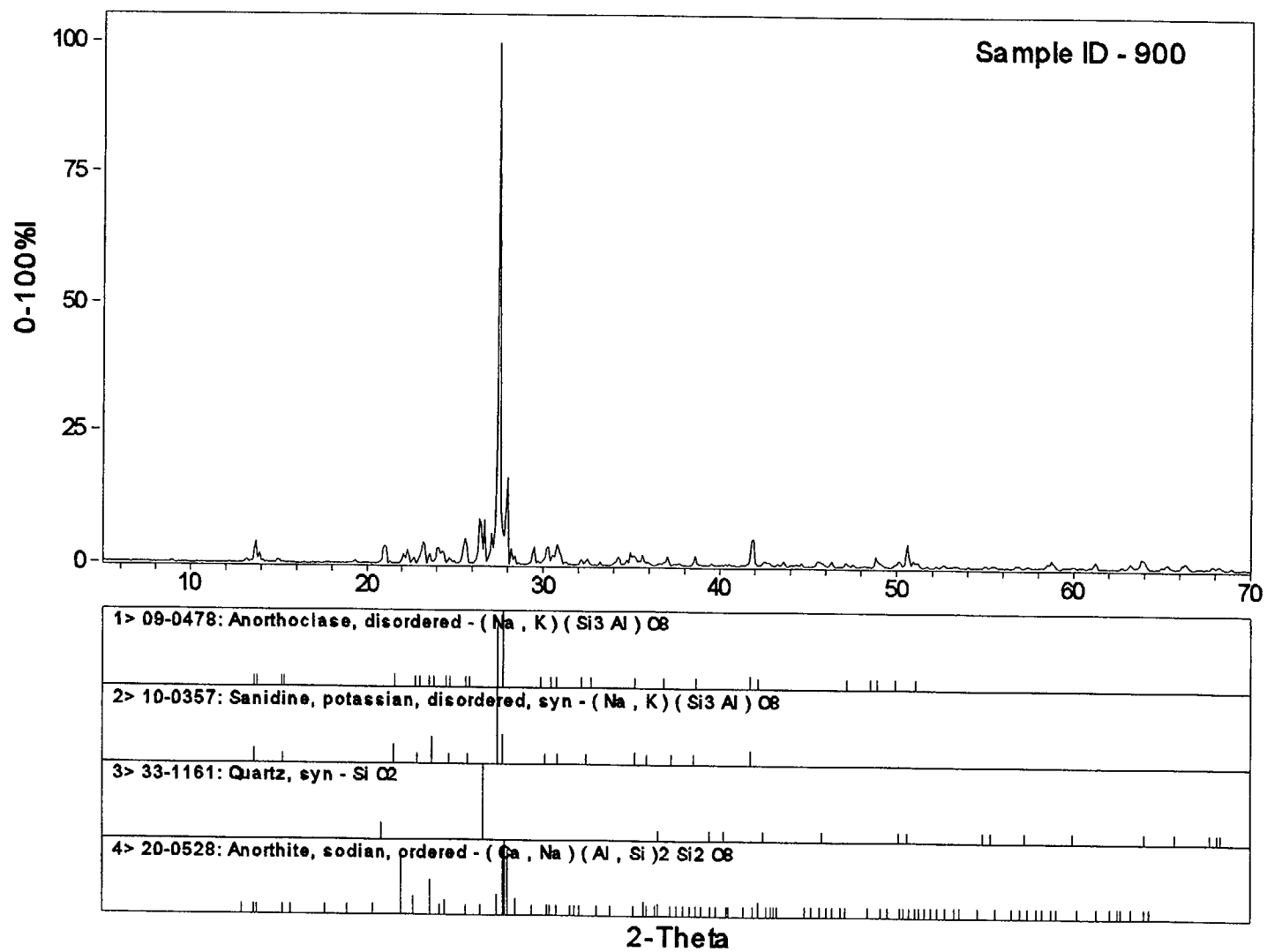
Peak Analysis
Sample ID - 877

Peak		Centroid		Bkgrnd	Peak	Intensity	Intensity		
Position		Position					counts	counts	%
2Theta	d	2Theta	d	counts	counts	%	Area	%	FWHM
8.831	10.0058	8.831	10.0058	7	17	1.1	4	0.8	0.212
9.776	9.0401	9.776	9.0401	5	70	4.5	16	3.1	0.206
13.662	6.4765	13.626	6.4933	4	114	7.3	54	10.3	0.426
15.165	5.8376	15.127	5.8522	5	50	3.2	23	4.4	0.414
19	4.6671	19	4.6671	9	20	1.3	3	0.6	0.135
20.795	4.2681	20.839	4.2593	85	684	44.1	186	35.6	0.245
21.863	4.062	21.851	4.0641	92	1552	100	523	100	0.303
22.558	3.9383	22.558	3.9383	138	87	5.6	15	2.9	0.155
23.518	3.7798	23.524	3.7789	96	537	34.6	168	32.1	0.282
24.556	3.6223	24.556	3.6223	70	43	2.8	8	1.5	0.167
27.66	3.2225	27.66	3.2225	894	510	32.9	85	16.3	0.15
29.821	2.9936	29.832	2.9926	22	303	19.5	119	22.8	0.353
30.7	2.9099	30.704	2.9095	12	181	11.7	94	18	0.467
31.334	2.8525	31.334	2.8525	38	84	5.4	13	2.5	0.139
32.335	2.7664	32.335	2.7664	6	74	4.8	18	3.4	0.219
34.792	2.5764	34.793	2.5764	26	234	15.1	93	17.8	0.358
35.495	2.527	35.497	2.5269	45	205	13.2	115	22	0.505
35.995	2.4931	35.956	2.4957	20	250	16.1	126	24.1	0.454
36.469	2.4617	36.469	2.4617	146	88	5.7	13	2.5	0.133
37.734	2.3821	37.734	2.3821	42	41	2.6	6	1.1	0.132
39.365	2.2871	39.35	2.2879	2	173	11.1	37	7.1	0.192
41.649	2.1667	41.649	2.1667	11	126	8.1	38	7.3	0.271
42.424	2.129	42.438	2.1283	11	167	10.8	56	10.7	0.302
44.72	2.0249	44.72	2.0249	4	27	1.7	4	0.8	0.133
48.425	1.8782	48.43	1.878	14	78	5	22	4.2	0.254
50.054	1.8209	50.054	1.8209	50	347	22.4	66	12.6	0.171
50.896	1.7927	50.88	1.7932	35	156	10.1	66	12.6	0.381
54.822	1.6732	54.822	1.6732	10	87	5.6	17	3.3	0.176
56.891	1.6172	56.885	1.6173	3	64	4.1	20	3.8	0.281
59.868	1.5437	59.868	1.5437	8	206	13.3	45	8.6	0.197
61.92	1.4974	61.965	1.4964	7	107	6.9	41	7.8	0.345
63.959	1.4545	63.961	1.4544	6	49	3.2	12	2.3	0.22
65.488	1.4241	65.488	1.4241	4	27	1.7	8	1.5	0.267
67.656	1.3837	67.656	1.3837	11	118	7.6	27	5.2	0.206
68.144	1.375	68.136	1.3751	8	176	11.3	61	11.7	0.312



Peak Analysis
Sample ID - 878

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Area	Intensity %	FWHM
2Theta	d	2Theta	d						
6.184	14.2809	6.185	14.2789	6	33	1.2	11	1.2	0.3
9.777	9.0397	9.777	9.0397	5	55	2	12	1.3	0.196
13.612	6.4998	13.611	6.5004	5	161	5.7	47	5	0.263
15.07	5.8743	15.061	5.8779	5	57	2	15	1.6	0.237
20.799	4.2672	20.841	4.2588	82	726	25.8	206	21.7	0.255
21.854	4.0636	21.843	4.0657	99	1285	45.7	453	47.7	0.317
22.556	3.9388	22.556	3.9388	158	57	2	14	1.5	0.221
23.522	3.7791	23.523	3.7789	107	553	19.7	169	17.8	0.275
25.705	3.4629	25.705	3.4629	92	408	14.5	71	7.5	0.157
26.572	3.3519	26.574	3.3517	62	2810	100	558	58.8	0.179
26.88	3.3142	26.88	3.3142	47	1784	63.5	263	27.7	0.133
27.675	3.2208	27.666	3.2218	65	2421	86.2	949	100	0.353
29.827	2.993	29.845	2.9914	40	291	10.4	113	11.9	0.349
30.705	2.9094	30.675	2.9123	32	198	7	121	12.8	0.55
32.333	2.7666	32.333	2.7666	35	91	3.2	20	2.1	0.198
34.798	2.5761	34.798	2.576	17	175	6.2	64	6.7	0.329
35.509	2.5261	35.566	2.5221	34	205	7.3	97	10.2	0.426
35.992	2.4933	35.993	2.4932	18	246	8.8	87	9.2	0.318
36.474	2.4614	36.474	2.4614	61	236	8.4	32	3.4	0.122
39.403	2.285	39.403	2.285	5	259	9.2	36	3.8	0.125
40.242	2.2392	40.242	2.2392	34	121	4.3	21	2.2	0.156
41.677	2.1654	41.677	2.1654	32	296	10.5	64	6.7	0.195
42.424	2.1289	42.44	2.1282	20	334	11.9	102	10.7	0.275
44.009	2.0559	44.008	2.0559	4	21	0.7	10	1.1	0.429
45.706	1.9834	45.706	1.9834	9	59	2.1	10	1.1	0.153
46.137	1.9659	46.137	1.9659	8	64	2.3	10	1.1	0.141
49.178	1.8512	49.178	1.8512	21	46	1.6	7	0.7	0.137
50.061	1.8206	50.061	1.8206	63	352	12.5	84	8.9	0.215
50.875	1.7934	50.885	1.793	49	166	5.9	52	5.5	0.282
56.607	1.6246	56.638	1.6238	11	39	1.4	14	1.5	0.323
59.873	1.5436	59.873	1.5436	16	209	7.4	49	5.2	0.211
61.97	1.4963	61.897	1.4979	24	85	3	51	5.4	0.54
63.959	1.4544	63.959	1.4544	27	22	0.8	7	0.7	0.286
64.79	1.4378	64.795	1.4377	19	41	1.5	17	1.8	0.373
67.704	1.3828	67.716	1.3826	5	629	22.4	133	14	0.19
68.155	1.3748	68.166	1.3746	5	225	8	78	8.2	0.312



Peak Analysis
Sample ID - 900

Peak Position		Centroid Position		Bkgrnd counts	Peak counts	Intensity %	Intensity		
2Theta	d	2Theta	d				Area	%	FWHM
13.68	6.4677	13.697	6.4598	6	619	39.4	137	59.1	0.199
16.4	5.4007	16.4	5.4007	2	3	0.2	1	0.4	0.3
21.001	4.2267	21.001	4.2267	134	362	23	94	40.5	0.234
22.31	3.9816	22.31	3.9816	47	350	22.3	62	26.7	0.159
23.204	3.8301	23.204	3.8301	187	436	27.8	97	41.8	0.2
24.076	3.6934	24.076	3.6934	184	273	17.4	61	26.3	0.201
25.585	3.479	25.585	3.479	32	700	44.6	191	82.3	0.246
26.444	3.3679	26.444	3.3679	210	1086	69.1	226	97.4	0.187
27.968	3.1877	27.968	3.1877	940	1571	100	232	100	0.133
29.467	3.0288	29.47	3.0285	11	487	31	102	44	0.189
30.275	2.9498	30.294	2.948	6	507	32.3	193	83.2	0.343
30.805	2.9003	30.805	2.9003	7	582	37	181	78	0.28
32.157	2.7814	32.157	2.7814	9	97	6.2	27	11.6	0.251
34.206	2.6193	34.205	2.6193	10	225	14.3	57	24.6	0.228
34.916	2.5676	34.962	2.5644	9	360	22.9	154	66.4	0.385
35.664	2.5155	35.622	2.5183	8	102	6.5	92	39.7	0.812
36.978	2.429	36.978	2.429	37	215	13.7	43	18.5	0.18
38.595	2.3309	38.595	2.3309	9	274	17.4	44	19	0.145
41.841	2.1573	41.828	2.1579	8	755	48.1	196	84.5	0.234
42.555	2.1227	42.555	2.1227	11	123	7.8	39	16.8	0.285
43.593	2.0746	43.593	2.0746	20	130	8.3	21	9.1	0.145
45.571	1.989	45.571	1.989	16	149	9.5	41	17.7	0.248
47.145	1.9262	47.145	1.9262	9	109	6.9	20	8.6	0.165
48.862	1.8624	48.862	1.8624	10	288	18.3	61	26.3	0.191
50.586	1.8029	50.587	1.8029	9	648	41.2	152	65.5	0.211
53.339	1.7162	53.339	1.7162	10	37	2.4	10	4.3	0.243
55.463	1.6554	55.467	1.6553	2	68	4.3	25	10.8	0.331
57.399	1.6041	57.399	1.6041	12	45	2.9	10	4.3	0.2
58.706	1.5714	58.685	1.5719	11	214	13.6	72	31	0.303
61.204	1.5131	61.204	1.5131	37	158	10.1	31	13.4	0.177
63.194	1.4702	63.194	1.4702	11	135	8.6	33	14.2	0.22
63.854	1.4566	63.866	1.4563	15	267	17	103	44.4	0.347
65.278	1.4282	65.281	1.4281	14	125	8	40	17.2	0.288
66.299	1.4087	66.292	1.4088	11	177	11.3	53	22.8	0.269
67.868	1.3799	67.868	1.3799	15	88	5.6	23	9.9	0.235